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GRANVILLE SOLVENTS SUPERFUND SITE

2009 ANNUAL GROUNDWATER MONITORING REPORT

Submitted: February 2, 2010

Prepared by:



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JOINT DEFENSE COMMUNICATION - PRIVILEGED AND CONFIDENTIAL

February 9, 2010

**Shelia Sullivan
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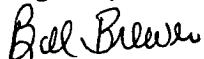
Re: 2009 Annual Groundwater Monitoring Report

Shelia:

I have enclosed a copy of the 2009 Groundwater Report for Granville prepared by Los Alamos Technical Associates on behalf of the Granville Solvents Site Group. We have now completed the 5-year groundwater monitoring program. Once you have reviewed the report, I would like to discuss the data with you regarding site remedy and closure of the current Order.

Please let me know if you have any questions or concerns.

Regards,



**Bill Brewer, Ph.D.
Site Manager**

GRANVILLE SOLVENTS SUPERFUND SITE 2009 ANNUAL GROUNDWATER MONITORING REPORT

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Appendix A	Groundwater Analytical Data Summary
Appendix B	Groundwater Potentiometric Surface Records
Appendix C	Analytical Data Collected in 2009
Appendix D	Site Inspection Forms 2009



LIST OF ACRONYMS

1,1,1-TCA	1,1,1-Trichloroethane
AOC	Administrative Order on Consent
ARARs	Applicable or Relevant and Appropriate Requirements
cis-1,2-DCE	Cis-1,2-Dichloroethene
EE/CA	Engineering Evaluation/Cost Analysis Report
LATA	Los Alamos Technical Associates, Inc.
MCL	Maximum Contamination Level
PCE	Tetrachloroethene
TCE	Trichloroethene
µg/L	Micrograms Per Liter
USEPA	United States Environmental Protection Agency
VOCs	Volatile Organic Compounds
WCP	Water Conditioning Plant

1.0 INTRODUCTION

Los Alamos Technical Associates, Inc. (LATA) prepared this annual groundwater monitoring report on behalf of the Granville Solvents Site Response Management Group, LLC (the "Group") to summarize groundwater conditions at the Granville Solvents Superfund Site in Granville, Ohio (the "Site"). Groundwater and soil treatment systems were suspended in March 2005 following approval by the United States Environmental Protection Agency (USEPA) of a "*Proposal to Suspend Groundwater and Soil Treatment Systems Operations and Commence Post-Shutdown Groundwater Monitoring at the Granville Solvents Site*", submitted by Metcalf and Eddy on behalf of the Granville Solvents Site Response Management Group in August 2004. The post suspension monitoring plan¹ requires annual monitoring reports summarizing site data. This report satisfies that requirement.

Current groundwater data, as well as groundwater data collected over the past 5 years, were evaluated to determine if a measurable plume or plumes had re-emerged at the site following treatment suspension or if the concentration of contaminants in groundwater had stabilized at levels that would not pose a threat to the Village drinking water supply. This report contains the results of groundwater sampling conducted over the past 12 months, additional groundwater data previously collected, and an evaluation of groundwater quality. This report also contains potentiometric surfaces measured on two occasions, as well as a report of other site activities conducted in the past 12 months. A summary of current and historic analytical data for detected constituents is included in Appendix A. Groundwater level measurements are provided in Table 1 and included in Appendix B. The analytical laboratory reports and quality assurance data reviews for this period are included in Appendix C. Appendix D contains the completed Site Inspection Forms for the March and September 2009 site visits.

2.0 BACKGROUND

An Administrative Order on Consent (AOC) between the USEPA and the Group dated September 1994 required completion of certain Removal Actions at the Site in Granville, Ohio. Those removal actions were defined by the following orders in Section V.2(e-g) of the AOC:

1. *"By December 20, 1994, install and run a groundwater extraction and treatment system which shall halt the migration of groundwater contamination (originating from the Site) toward the Village of Granville municipal wellfield. Treat and discharge all extracted water as required by the Work Plan and this Order."*
2. *"In addition, implement action which is necessary to ensure that any water contaminated with any contamination (originating from the Site) that enters the Village of Granville municipal wellfield drinking water supply meets all risk-based and all applicable federal and state drinking water standards. Such action may include utilization of, modification to, and/or addition to the Village of Granville municipal wellfield drinking water supply system."*

¹ *Proposal to Suspend Groundwater and Soil Treatment System Operation and Commence Post-Shutdown Groundwater Monitoring at the Granville Solvents Site*, Metcalf & Eddy, Inc. (M&E) August 2004.

-
3. *"Design, install, and operate a groundwater extraction and treatment system which shall halt the migration of groundwater contamination (originating from the Site) toward the Village of Granville municipal wellfield and shall treat all groundwater within the contamination plume originating from the Site to no further action levels which assure protection of human health and the environment and attain all risk-based standards and federal and state ARARs."*
 4. *"Treat the soils at the Site to levels which will assure protection of human health and the environment to levels which will attain all risk-based standards and federal and state ARARs, and to levels which will assure, to the maximum extent practicable, that no groundwater beneath the soils will become contaminated above the groundwater no further action levels."*

Soil "no further action" levels were defined in the Engineering Evaluation/Cost Analysis Report (EE/CA) submitted in August 1999.

The Group has completed the following Removal Actions at the Site:

1. Installation and operation of a groundwater extraction and treatment system that operated on a continuous basis from December 1994 through March 2005. The system halted migration of contaminated groundwater from the Site and reduced the mass and size of the plume to meet the obligations established in the AOC.
2. Village production well PW-4 was installed in the Village well field to replace [capacity of] PW-1.
3. Contaminants in groundwater at the Village wellfield and at monitoring wells between the source area and the Village wellfield have been reduced to levels at or below no further action levels.
4. A soil treatment system was installed and operated between 2001 and 2005.

The Group submitted a proposal and Contingency Plan² to USEPA and Ohio EPA to suspend groundwater and soil treatment and monitor groundwater quality for a 5-year period.

Data collected during previous investigations indicate that chlorinated and non-chlorinated volatile organic compounds (VOCs) are present in groundwater below the Site, most notably in the vicinity of the former warehouse building.

3.0 GROUNDWATER MONITORING PROGRAM

The following table includes the frequency and location of the current groundwater sampling program:

MONITORING LOCATION	FREQUENCY*
[REDACTED]	Semi-Annually
[REDACTED]	Annually

*As of October 2008

Semi-annual sampling was scheduled through 2009, after which the site's status will be reviewed. Sampling events completed include:

- August 2005
- May 2006
- July 2006
- May 2007 (annual)
- September 2007 (semi-annual)
- April 2008 (annual)
- September 2008 (semi-annual)
- March 2009 (annual)
- September 2009 (semi-annual)

Groundwater level measurements were to be collected for the first six (6) quarters of the project and semi-annually thereafter to document the change on the potentiometric surface following system shutdown (Appendix B). Groundwater level measurements were collected on a semi-annual basis in 2009.

4.0 2009 ACTIVITIES PERFORMED

The 2009 site activities are summarized below.

March 2009

- Recorded water level measurements of all site monitoring wells
- Performed the site inspection
- Sampled monitoring wells-annual event
- Surveyed the river elevation

September 2009

- Recorded water level measurements of all site monitoring wells
- Performed the site inspection
- Sampled monitoring wells-semi-annual event
- Mowed grass

5.0 MONITORING OF POTENTIOMETRIC SURFACE

Groundwater level measurements were collected during 2009 on two separate occasions, March 30 and September 14, 2009. Water level measurements are listed in Table 1 of this report. Based upon data from the monitoring and extraction wells, the average water level has decreased approximately 3.4 feet from March to September 2009. Figures 1 and 1A depict the potentiometric surface for these two events.

The potentiometric surface measured in March 2009 is similar to September 2009 in that local groundwater flow is towards Raccoon Creek. The March 2009 map indicates that a subtle groundwater divide separates the Site from the Village of Granville (Village) Water Conditioning Plant (WCP) due to pumping at the plant. The potentiometric surface in September 2009 indicates that groundwater flow is away from Raccoon Creek and that the groundwater gradient across the site is low. Groundwater flow toward or away from Raccoon Creek has varied over the monitoring program in the past 5 years and is dependent upon the water level in the creek. The potentiometric surface at the Site varies based on precipitation and stream elevation (gaining or losing stream). The lack of a water level measurement in GSSMW-06 in September 2009 leaves latitude for interpretation regarding the historically higher elevation in that well.

potent
surface
seems to
be slowly
turning toward
WTP
(west)

The Conceptual Site Model (CSM) developed in the Engineering Evaluation/Cost Analysis Report (M&E, August 1999) concluded that the hydrologic setting for Raccoon Creek valley is a highly productive buried-valley aquifer with Raccoon Creek flowing generally to the east ultimately discharging into the Licking River. Groundwater gradients are low (only a few tenths of a foot difference in elevation) across the Site. The Site conditions generate a groundwater divide between the Site and the Village of Granville well field.

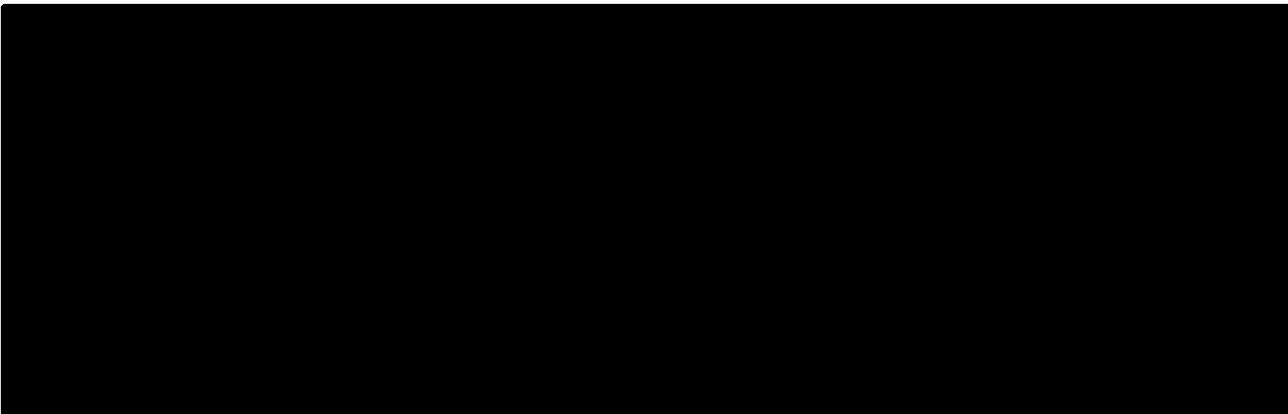
As part of this monitoring report, LATA further evaluated the regional buried-valley deposition to determine whether the geometry of the buried-valley alluvial sediments could further elucidate the locally mapped groundwater divide. Figure 2 presents the CSM and incorporates the Ohio Department of Natural Resources (ODNR) mapped bedrock topography with the USGS 7.5 minute topographic map. The Site is located on the northern margin of the buried valley at a point where the valley narrows. In the absence of any local pumping, the regional gradient would be from west to east, with contributing recharge from the bedrock into the valley. Reviewing the geologic logs, well GSSMW-06 encountered the bedrock at the bottom of the boring confirming the ONDR bedrock mapping locally. Groundwater levels in this well are typically higher than the other Site wells within the buried valley, which confirms the CSM concept of recharge from the valley walls. The proximity of the Site to the northern margin of the valley and the geometry of the overall valley narrowing adjacent to the Site support a slight

you mean
city prod
wells?
or ext
wells
wouldnt
city prod
wells
eventually
reverse
regional
gradient?

groundwater divide between the Site and Village well field (i.e., the valley width at the 800 foot AMSL contour $\frac{1}{2}$ mile west of the site, adjacent to the site, and $\frac{1}{2}$ mile east of the site are ~4400 feet, 1600 feet and ~3700 feet, respectively). This slight divide is further enhanced by local withdrawals from the Village pumping wells west of the Site. With the Site remedy being in standby/shutdown mode for the past 5-year period the divide appears to generally be present.

gw divide
diminishing

Groundwater measurements recorded in March and September 2009 show that the area has experienced seasonally high water levels (increasing saturation thickness) during the early part of the year and seasonally low water levels (decreased saturation thickness) during the fall. The rise in the water level during the spring of 2009, coupled with the progressive de-watering of the area during the summer months may potentially shift the movement of the residual groundwater plume. The wide variation in seasonal groundwater level appears to be controlled by seasonal variations in precipitation and changes in river stage.



6.0 GROUNDWATER MONITORING ANALYTICAL RESULTS

Table 2 contains a summary of the groundwater analytical data from samples collected in March and September 2009. Iso-concentration contours of 1,1,1-Trichloroethane (1,1,1-TCA), cis-1,2-Dichloroethene (cis-1,2-DCE), Tetrachloroethene (PCE) and Trichloroethene (TCE) in monitoring wells are mapped in Figures 3 through 6, respectively. Iso-concentration contours were constructed only for those constituents observed at concentrations in excess of USEPA Maximum Contamination Levels (MCL). VOCs were not detected in samples collected in either March 2009 or September 2009 in two of the three compliance wells (GSSMW-08 and GSSMW-09)² located near the Village well field; however, cis-1,2-DCE was detected at 0.79 µg/L in compliance well GSSEW-01 in March 2009.

The concentration of cis-1,2-DCE observed in MW-08 (leading edge well in the site contingency plan) has increased to 68 µg/L (September 2009), higher than the amounts observed in the September 2008 (34 µg/L) and March 2009 (40 µg/L) samples. Concentrations of cis-1,2-DCE in MW-08 remain below the MCL of 70 µg/L.

Concentration trends of VOCs measured in other site monitoring wells are shown in Figures 7 through 17. The concentrations of some VOCs observed in samples collected from MW-P1, MW-02D, MW-4D and GSSMW-15 have increased over the past year; whereas, the concentrations of VOCs in the remaining wells sampled have generally remained stable or increased only slightly when compared to historical site data.

6.1 1,1,1-Trichloroethane (1,1,1-TCA)

1,1,1-TCA was detected above method detection limits in five site wells (Figure 3 and 3A) - MW-06, MW-P1, MW-02D, MW-04D and GSSMW-15. The highest detected concentration (180 ug/L) was observed in the March 30, 2009 sample collected from well MW-06. That concentration is slightly below the compound's MCL of 220 ug/L but less than the highest measured concentration of 220 ug/l observed in September, 25, 2007 (Figure 13). The concentration of 1,1,1-TCA increased slightly in the following wells: MW-P1 (22 µg/L to 31 µg/L), MW-02D (98 µg/L to 110 µg/L), and MW-04D (40 µg/L to 64 µg/L).

6.2 Cis-1,2-Dichloroethene (cis-1,2-DCE)

Cis-1,2-DCE was not detected above the MCL of 70 µg/L in any wells for the March and September 2009 sampling events (Figure 4 and 4A). However, wells MW-08, MW-02D, and MW-04D had increases in concentrations but remain below the MCL.

6.3 Tetrachloroethene (PCE)

Iso-concentration maps of PCE in samples collected in March and September 2009 are shown in Figures 5 and 5A, respectively. The concentration of PCE in well MW-02D has decreased to 150

² See section 6 for definitions of leading edge wells and compliance wells.

µg/L (March and September 2009) as compared to 180 µg/L observed in September 2008. The PCE concentration in MW-02D has generally increased (Figure 11) since groundwater and soil treatment was suspended. Wells MW-P1, GSSMW-15, and MW-04D also had increases in PCE concentrations.

6.4 Trichloroethene (TCE)

TCE was detected at concentrations ranging from a low of 19 µg/L in well MW-06 to a high of 220 µg/L in well MW-02D in samples collected in September 2009 (Figure 6A). TCE concentrations in wells MW-02D and GSSMW-15 continued to increase when compared to the pre-shutdown concentrations in 2005. The TCE trend in GSSMW-15 is shown in Figure 9 and the TCE trend in MW-02D in Figure 11.

7.0 CONTINGENCY PLAN

The Group submitted a Contingency Plan to the USEPA in January 2005. Section 3 of that document identified Action Triggers and Response Actions to restart the system if changes in groundwater conditions are observed in leading edge wells and compliance wells.

7.1 Compliance Wells

Wells GSSMW-08 (Figure 7), GSSMW-09 (Figure 8) and GSSEW-01 were selected as compliance area wells. If the concentration of any VOC meets or exceeds its MCL in any of these wells, groundwater treatment will be reinstated. The only detection of VOCs was 0.79 µg/L of cis-1,2-dichloroethene in GSSEW-01. The MCL for cis-1,2-DCE is 70.0 µg/L. No VOCs were detected in GSSMW-08 or GSSMW-09 in the 2009 sampling events.

7.2 Leading Edge Wells

Wells MW-07D (Figure 15) and MW-08 (Figure 16) were selected as leading edge wells, and well MW-07 was added after December, 2005. If the concentration of any VOC from samples collected from these wells exceeds *twice* (2x) the MCL, the treatment system will be reinstated. No VOCs were detected in samples from MW-07D, MW-07, or MW-08 at concentrations exceeding *twice* (2x) the MCL. The concentration of cis-1,2-DCE in MW-08 significantly increased from 40 ug/l observed in March 2009 to 68 µg/L in September 2009.

7.3 Source Area Wells

Wells within the source area MW-02D (Figure 11), MW-04D (Figure 12), MW-06 (Figure 13) and MW-P1 (Figure 17) have continued to rebound in VOC concentrations to above the pre-shutdown values, but below the historic concentrations before the SVE/air injection/air sparging was performed.

Since treatment system shutdown in 2005, concentrations of TCE, 1,1,1-TCA, and PCE have increased in MW-02D, MW-04D, and MW-06. In addition, cis-1,2-DCE concentrations have

increased in MW-02D since system shutdown. Concentrations of 1,1,1-TCA, PCE, and cis-1,2-DCE in MW-2D have decreased slightly from September 2008 to September 2009. Concentrations of 1,1,1-TCA in MW-06 have remained stable for the past 4 sampling events.

8.0 SUMMARY

Concentrations of VOCs observed in both compliance wells and leading edge wells have remained below the trigger levels specified in the contingency plan to restart treatment and have generally been stable or declining. However, the concentrations of certain VOCs observed in samples collected from source area wells MW-02D and MW-04D and from GSSMW-15 over the past five years have increased, suggesting that a localized plume rebound of TCE and PCE may be occurring in these wells.

The Site conditions generate a groundwater divide between the Site and the Village of Granville well field. The variation in groundwater levels is likely controlled by seasonal precipitation and river stage, which may shift the groundwater divide. However, the VOC plume generally remains on the eastern side of the divide.

9.0 REFERENCES

Metcalf & Eddy, 1999. *Engineering Evaluation / Cost Analysis Report (EE/CA)*, August 1999.

Metcalf & Eddy, 2004. *Proposal to Suspend Groundwater and Soil Treatment Systems Operations and Commence Post-Shutdown Groundwater Monitoring at the Granville Solvents Site*, August 2004.

Metcalf & Eddy, 2005. *A Contingency Plan for the Proposal to Suspend Groundwater and Soil Treatment System Operation and Commence Post-Shutdown Groundwater Monitoring at the Granville Solvents Site*, January 2005.

Tables

Table 1. Water Levels Recorded in March and September 2009
at Granville Solvents Superfund Site

Well	Measuring Point Elevation	Depth to Water	Date	Potentiometric Surface Elevation (AMSL)
	915.38	16.05	3/30/2009	899.33
	915.38	18.96	9/14/2009	896.42
	915.19	15.86	3/30/2009	899.33
	915.19	19.08	9/14/2009	896.11
	910.48	11.10	3/30/2009	899.38
	910.48	14.39	9/14/2009	896.09
	924.57	25.22	3/30/2009	899.35
	924.57	27.94	9/14/2009	896.63
	958.95	59.73	3/30/2009	899.22
	958.95	62.64	9/14/2009	896.31
	960.98	58.86	3/30/2009	902.12
	916.75	17.33	3/30/2009	899.42
	916.75	20.79	9/14/2009	895.96
	916.03	16.60	3/30/2009	899.43
	916.03	20.08	9/14/2009	895.95
	916.35	16.96	3/30/2009	899.39
	916.35	20.47	9/14/2009	895.88
	923.09	23.80	3/30/2009	899.29
	923.09	26.72	9/14/2009	896.37
	920.21	20.89	3/30/2009	899.32
	920.21	23.76	9/14/2009	896.45
	906.56	7.21	3/30/2009	899.35 *
	906.56	10.79	9/14/2009	895.77 *
	920.07	20.38	3/30/2009	899.69
	920.07	23.41	9/14/2009	896.66
	913.27	13.88	3/30/2009	899.39
	913.27	17.20	9/14/2009	896.07
	905.53	6.05	3/30/2009	899.48
	905.53	9.65	9/14/2009	895.88
	930.15	30.88	3/30/2009	899.27
	930.15	33.70	9/14/2009	896.45
	923.62	24.33	3/30/2009	899.29
	923.62	27.25	9/14/2009	896.37
	924.10	24.80	3/30/2009	899.30
	924.10	27.70	9/14/2009	896.40
	917.21	4.56	3/30/2009	912.65 *
	917.21	10.10	9/14/2009	907.11 *
	920.52	21.25	3/30/2009	899.27
	920.52	24.13	9/14/2009	896.39
	920.95	21.62	3/30/2009	899.33
	920.95	24.53	9/14/2009	896.42
	921.34	21.98	3/30/2009	899.36
	921.34	24.90	9/14/2009	896.44
	935.83	36.53	3/30/2009	899.30
	935.83	39.43	9/14/2009	896.40
	936.00	36.71	3/30/2009	899.29
	936.00	39.63	9/14/2009	896.37
	917.71	18.36	3/30/2009	899.35
	917.71	21.49	9/14/2009	896.22
	917.81	18.44	3/30/2009	899.37
	917.81	21.58	9/14/2009	896.23
	927.97	28.63	3/30/2009	899.34
	927.97	31.79	9/14/2009	896.18
	927.75	28.41	3/30/2009	899.34
	927.75	31.58	9/14/2009	896.17
	923.71	24.41	3/30/2009	899.30
	923.71	27.31	9/14/2009	896.40
	909.06	9.25	3/30/2009	899.81
	909.06	13.10	9/14/2009	895.96
	908.95	10.84	3/30/2009	898.11
	908.95	15.09	9/14/2009	893.86
	910.27	11.63	3/30/2009	898.64
	910.27	27.39	9/14/2009	882.88
	910.59	31.15	3/30/2009	879.44 (a)
	910.59	15.50	9/14/2009	895.09 (a)
	904.76	5.90	3/30/2009	898.86
	904.76	5.77	9/14/2009	898.99

 Well equipped with a dedicated sampling pump.

* Measurement suspect, not used in potentiometric mapping.
(a) Extraction well pump running at time of measurement.

Comparison of Water Elevations Between March 2009 and September 2009

Average March 2009 (ft):	899.18
Average September 2009 (ft):	895.81
Change in Average (ft):	-3.37

Table 2. March and September 2009 Analytical Results for COCs
at Granville Solvents Superfund Site

Well ID	Chemical	March 2009 Results	September 2009 Results	Units
COC-EW-61	1,1,1-Trichloroethane	0.5 U	N M	ug/L
	cis-1,2-Dichloroethene	0.79	N M	ug/L
	Tetrachloroethene	0.5 U	N M	ug/L
	trans-1,2-Dichloroethene	0.5 U	N M	ug/L
	Trichloroethene	0.5 U	N M	ug/L
	1,1,1-Trichloroethane	0.5 U	0.27 U	ug/L
	cis-1,2-Dichloroethene	0.5 U	0.37 U	ug/L
	Tetrachloroethene	0.5 U	0.3 U	ug/L
	trans-1,2-Dichloroethene	0.5 U	0.24 U	ug/L
	Trichloroethene	0.5 U	0.37 U	ug/L
	1,1,1-Trichloroethane	0.5 U	0.27 U	ug/L
	cis-1,2-Dichloroethene	0.5 U	0.37 U	ug/L
	Tetrachloroethene	0.5 U	0.3 U	ug/L
	trans-1,2-Dichloroethene	0.5 U	0.24 U	ug/L
	Trichloroethene	0.5 U	0.37 U	ug/L
	1,1,1-Trichloroethane	30	30	ug/L
	cis-1,2-Dichloroethene	8.9	11	ug/L
	Tetrachloroethene	8.9	26	ug/L
	trans-1,2-Dichloroethene	0.61	0.72	ug/L
	Trichloroethene	35	38	ug/L
	1,1,1-Trichloroethane	0.5 U	0.27 U	ug/L
	cis-1,2-Dichloroethene	0.5 U	0.37 U	ug/L
	Tetrachloroethene	0.5 U	0.3 U	ug/L
	trans-1,2-Dichloroethene	0.5 U	0.24 U	ug/L
	Trichloroethene	0.5 U	0.37 U	ug/L
	1,1,1-Trichloroethane	0.5 U	0.27 U	ug/L
	cis-1,2-Dichloroethene	40	68	ug/L
	Tetrachloroethene	0.5 U	0.3 U	ug/L
	trans-1,2-Dichloroethene	5.1	8.9	ug/L
	Trichloroethene	0.5 U	0.37 U	ug/L
	1,1,1-Trichloroethane	98	110	ug/L
	cis-1,2-Dichloroethene	1.7 J	43	ug/L
	Tetrachloroethene	150	150	ug/L
	trans-1,2-Dichloroethene	2.5	2.6	ug/L
	Trichloroethene	180	220	ug/L
	1,1,1-Trichloroethane	40	64	ug/L
	cis-1,2-Dichloroethene	0.5 U	16	ug/L
	Tetrachloroethene	64	90	ug/L
	trans-1,2-Dichloroethene	0.75	0.9	ug/L
	Trichloroethene	91	180	ug/L
	1,1,1-Trichloroethane	180	170	ug/L
	cis-1,2-Dichloroethene	0.5 U	0.37 U	ug/L
	Tetrachloroethene	0.49 J	0.83	ug/L
	trans-1,2-Dichloroethene	0.5 U	0.24 U	ug/L
	Trichloroethene	13	19	ug/L
	1,1,1-Trichloroethane	22	31	ug/L
	cis-1,2-Dichloroethene	0.5 U	1.5	ug/L
	Tetrachloroethene	41	67	ug/L
	trans-1,2-Dichloroethene	0.33 J	0.24 U	ug/L
	Trichloroethene	27	38	ug/L

why
not?

U - Not Detected

J - Sample result is estimated

NM - Sample was not collected/analyzed for this date

Figures

Rev.	Date	Description	Design Drawn	Check
0	XX-XX-02	REVISION DESCRIPTION	XXX	XXX

POTENTIOMETRIC SURFACE MAP
MARCH 30, 2009

GRANVILLE SOLVENTS
GRANVILLE, OHIO



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ASSOCIATES INC.
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Fax (614) 508-1201
www.lata.com

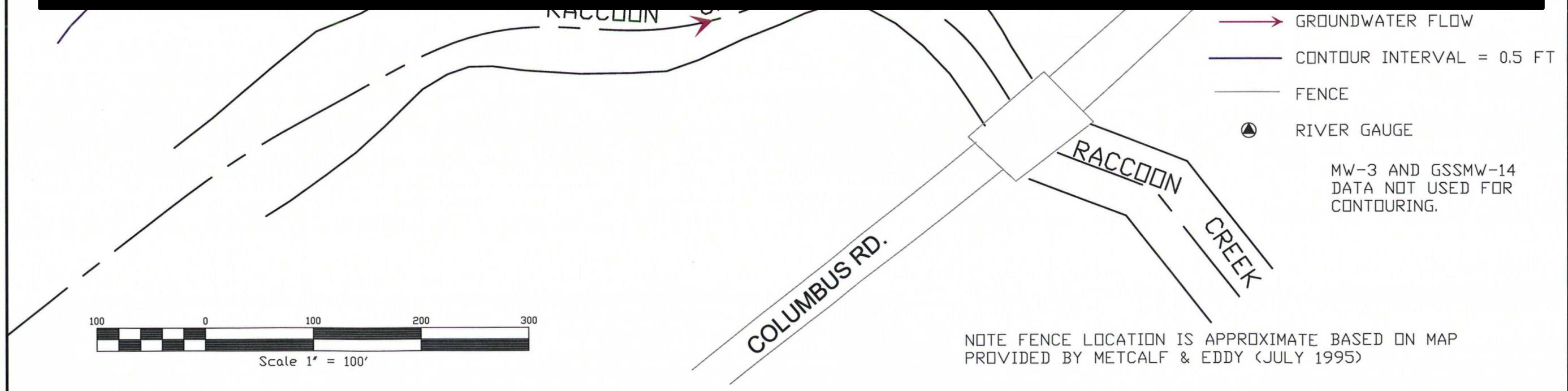
File Name
5314-111-tca_9-2008
Project No.

5314

Sheet 1 of 1

Figure Revision

1 0



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1742010\174254.MP4\GOMES, L 1:1

04

GRANVILLE SOLVENTS
GRANVILLE, OHIO

POTENSIOMETRIC SURFACE MAP
SEPTEMBER 14, 2009



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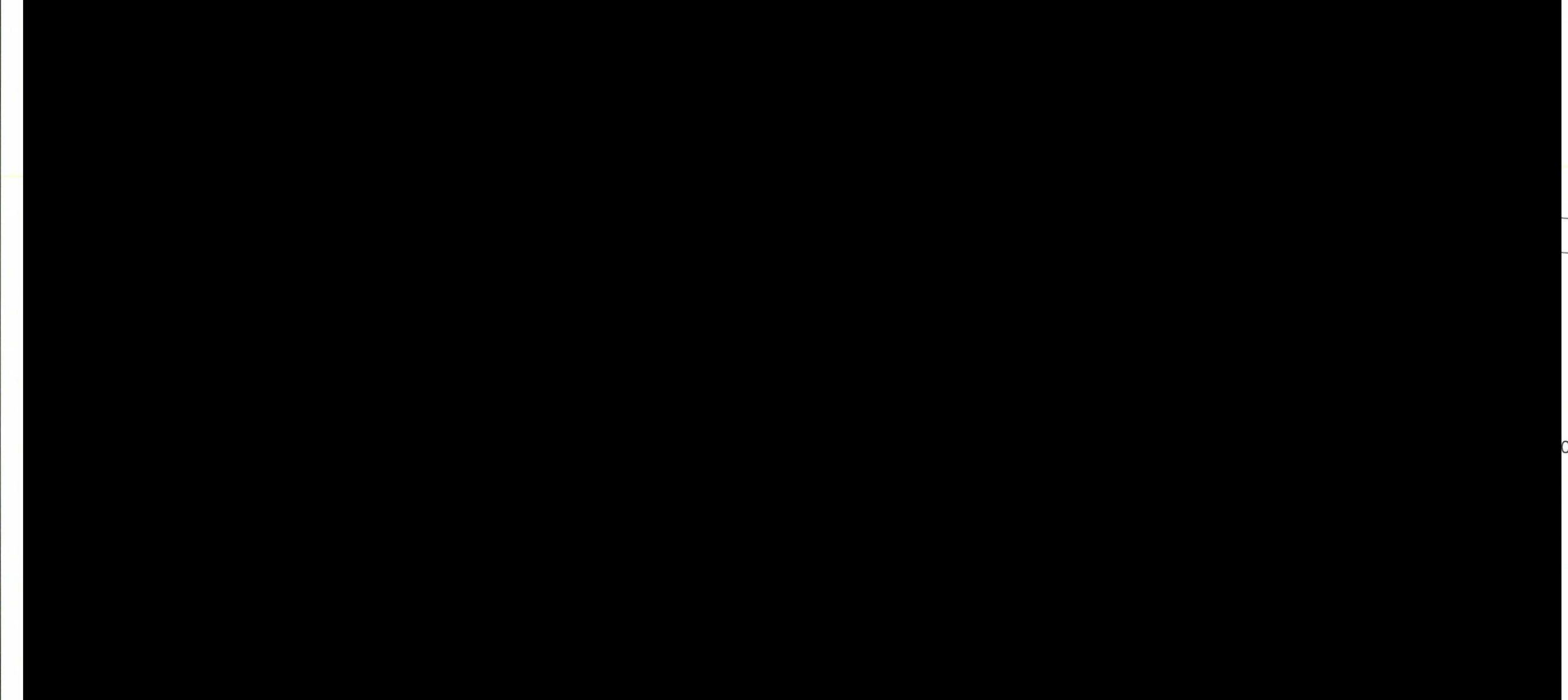
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5314-09-2009_pot
Project No.

5314

Sheet 1 of 1

Figure Revision

1A 0



890

RACCOON

CREEK

divide

COLUMBUS RD.

RACCOON

CREEK

GROUNDWATER FLOW

CONTOUR INTERVAL = 0.5 FT

FENCE

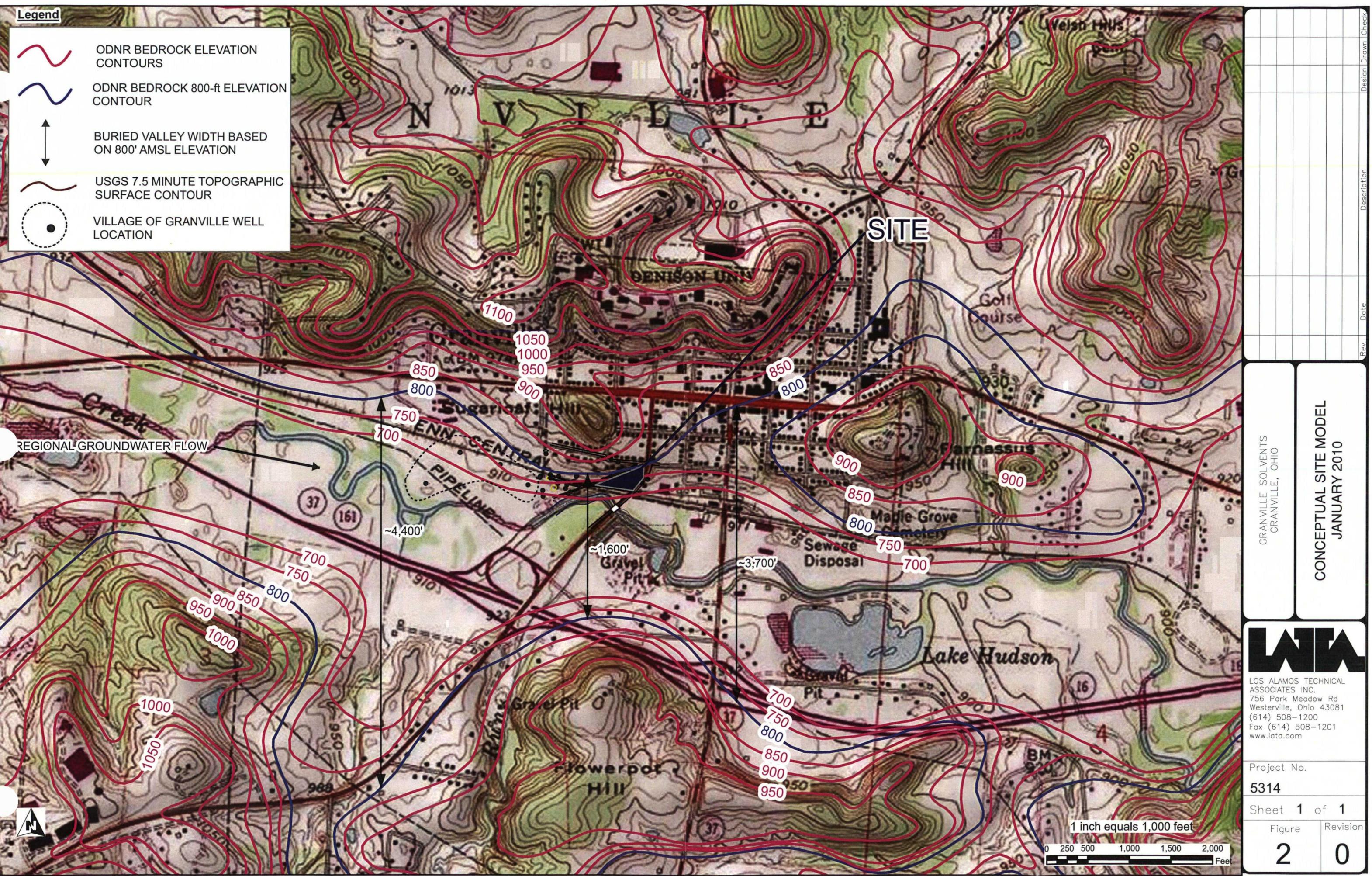
RIVER GAUGE

MW-3 DATA NOT USED
FOR CONTOURING.

NOTE FENCE LOCATION IS APPROXIMATE BASED ON MAP
PROVIDED BY METCALF & EDDY (JULY 1995)

100 0 100 200 300

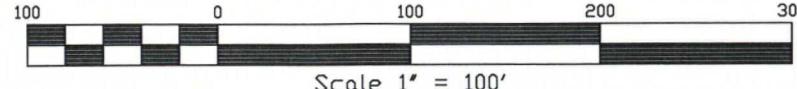
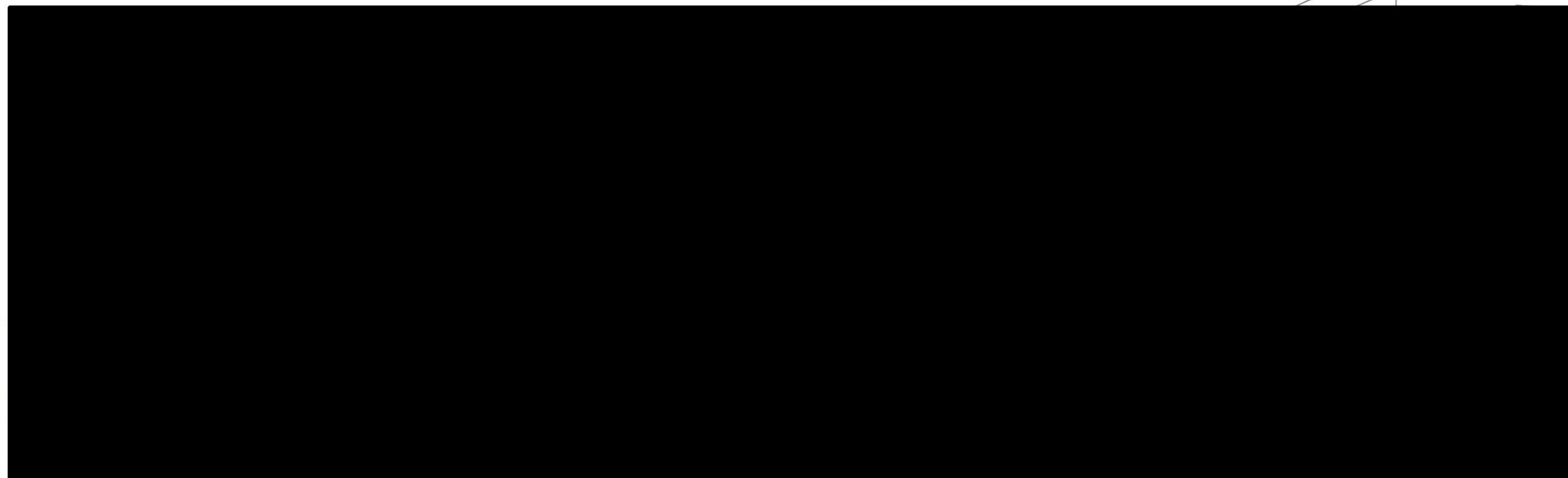
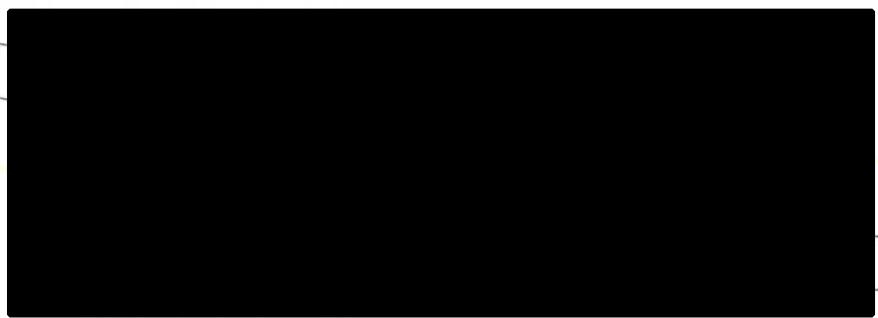
Scale 1' = 100'





NORTH

W. BROADWAY



COLUMBUS RD.

RACCOON

CREEK

SS-2

NOTE FENCE LOCATION IS APPROXIMATE BASED ON MAP
PROVIDED BY METCALF & EDDY (JULY 1995)

* THE MCL FOR
1,1,1-TRICHLOROETHANE
IS 200 $\mu\text{g}/\text{L}$

DATA NOT CONTOURED,
NO CONCENTRATIONS
EXCEED MCL.

1,1,1-TRICHLOROETHANE
CONCENTRATION MAP
MARCH 2009

GRANVILLE SOLVENTS
GRANVILLE, OHIO



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5314-111-tca_03-2009
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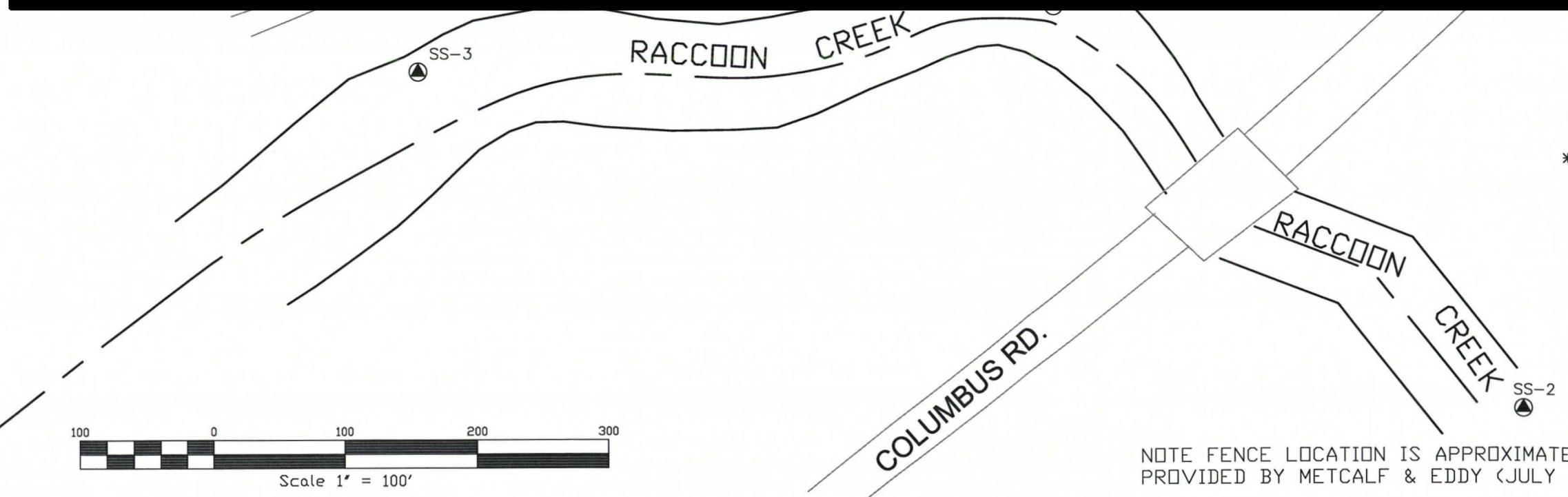
Sheet 1 of 1

Figure	Revision
3	0



NORTH

W. BROADWAY



* THE MCL FOR
1,1,1-TRICHLOROETHANE
IS 200 ug/L

DATA NOT CONTOURED,
NO CONCENTRATIONS
EXCEEDED MCL.

NOTE FENCE LOCATION IS APPROXIMATE BASED ON MAP
PROVIDED BY METCALF & EDDY (JULY 1995)

GRANVILLE SOLVENTS
GRANVILLE, OHIO

**1,1,1-TRICHLOROETHANE
CONCENTRATION MAP
SEPTEMBER 2009**



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5314-111-tca_03-2009

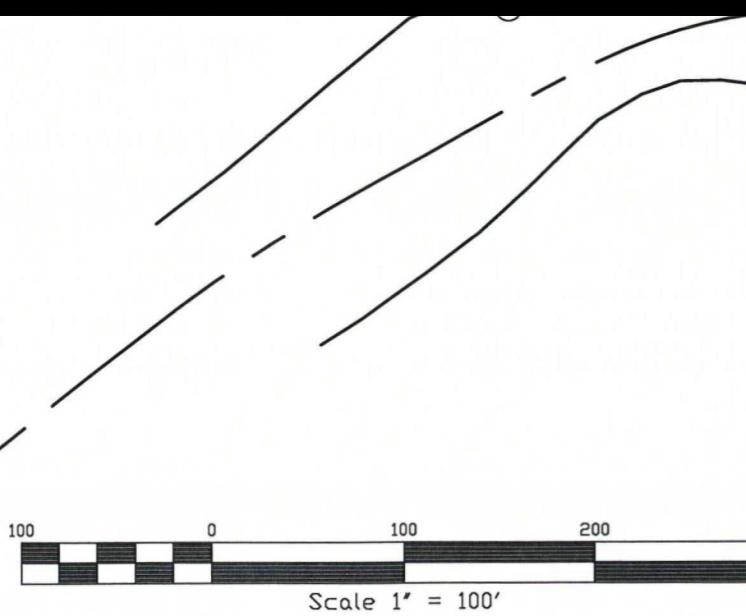
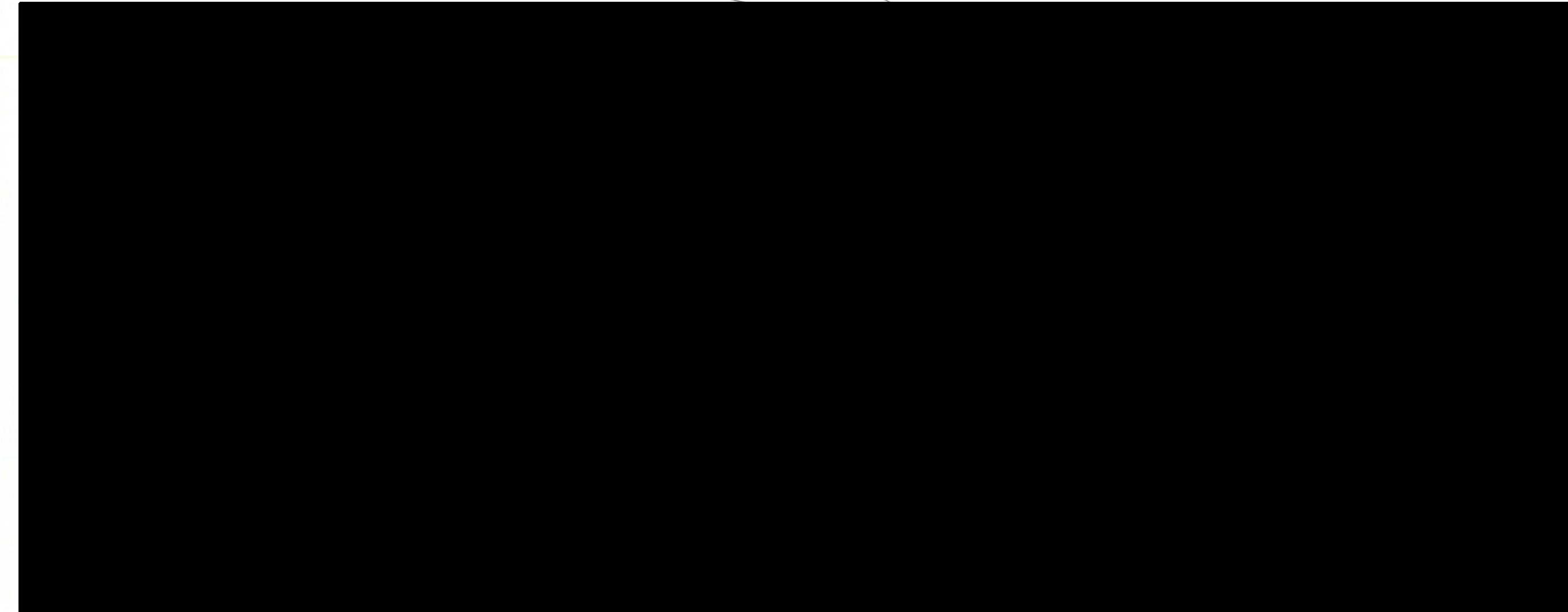
Project No.
5314

Sheet 1 of 1

Figure Revision
3A 0

NORTH

W. BROADWAY



COLUMBUS RD.

NOTE FENCE LOCATION IS APPROXIMATE BASED ON MAP
PROVIDED BY METCALF & EDDY (JULY 1995)

RACCOON

CREEK

SS-2

THE MCL FOR
Cis-1,2 DICHLOROETHENE
IS 70 ug/L

DATA NOT CONTOURED,
NO CONCENTRATIONS
EXCEED MCL.

GRANVILLE SOLVENTS
GRANVILLE, OHIO

CIS-1,2-DICHLOROETHENE
CONCENTRATION MAP

MARCH 2009



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File Name
5314-cis1-2dce_03-2009

Project No.

5314

Sheet 1 of 1

Figure Revision

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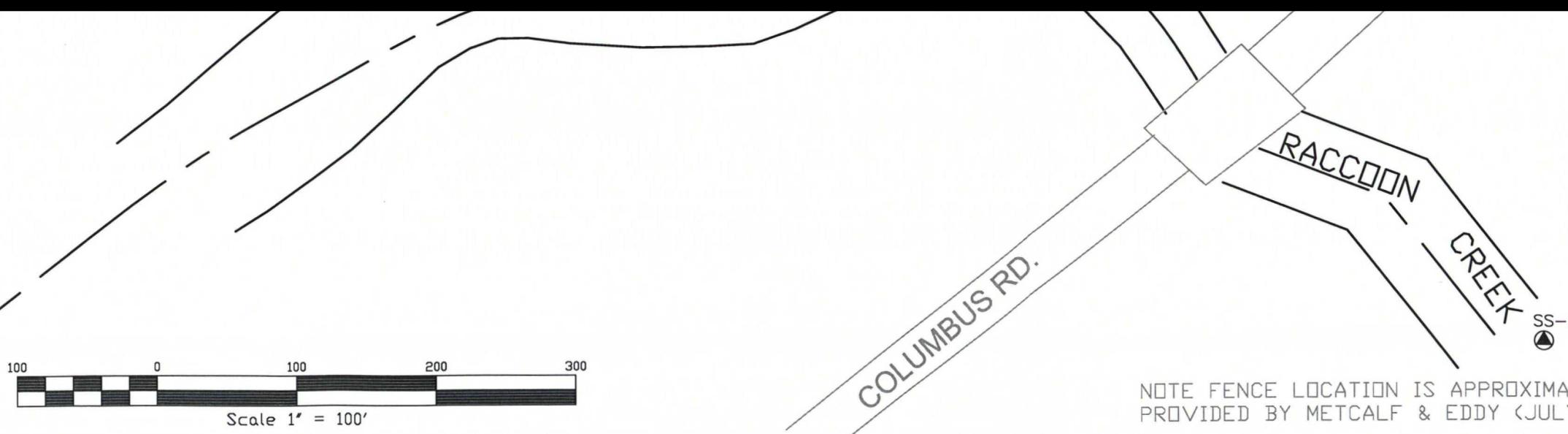
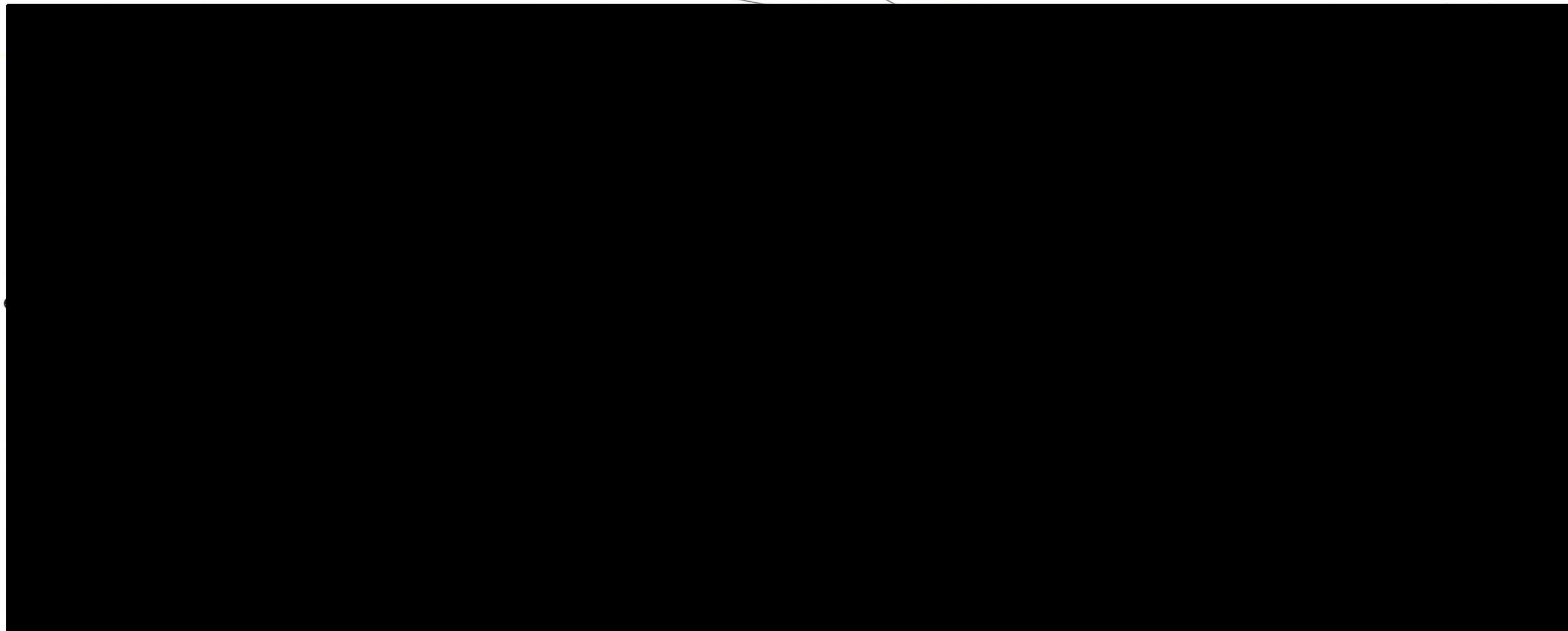
0 XX-XX-02 REVISION DESCRIPTION XXX XXX XXX Design Drawn Check

Rev. Date Description



NORTH

W. BROADWAY



THE MCL FOR
Cis-1,2 DICHLOROETHENE
IS 70 ug/L

DATA NOT CONTOURED,
NO CONCENTRATIONS
EXCEED MCL.



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5314-cis1-2dce_03-2009
Project No.

5314

Sheet 1 of 1

Figure Revision
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Rev.	Date	Description

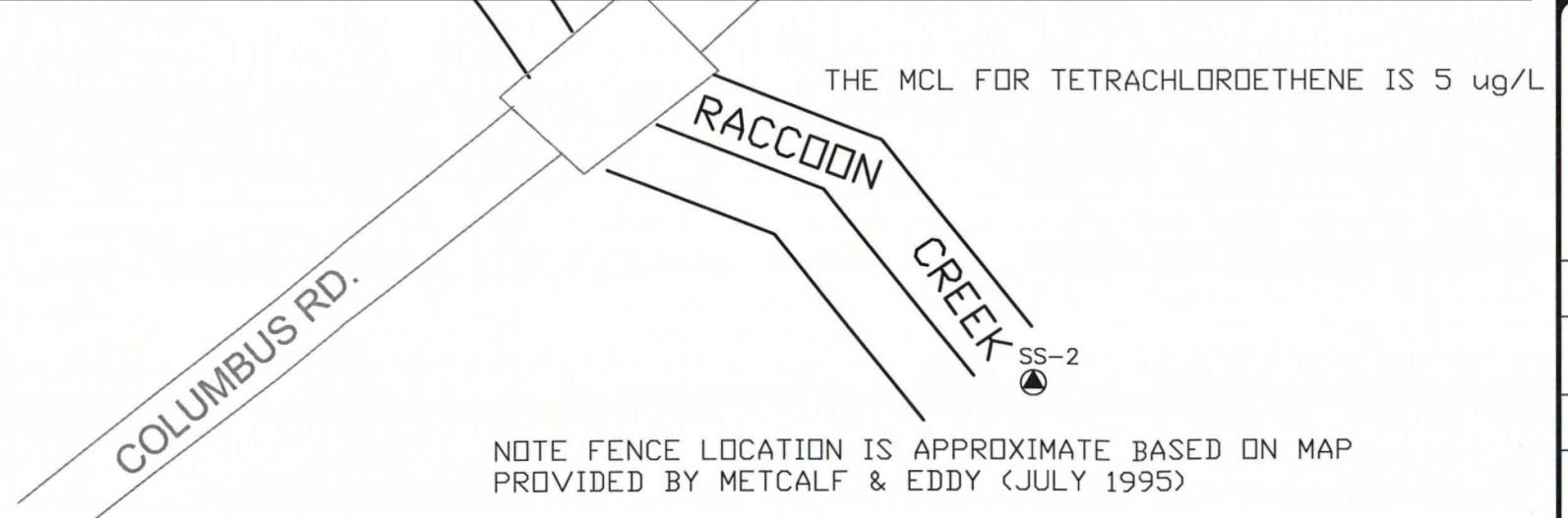
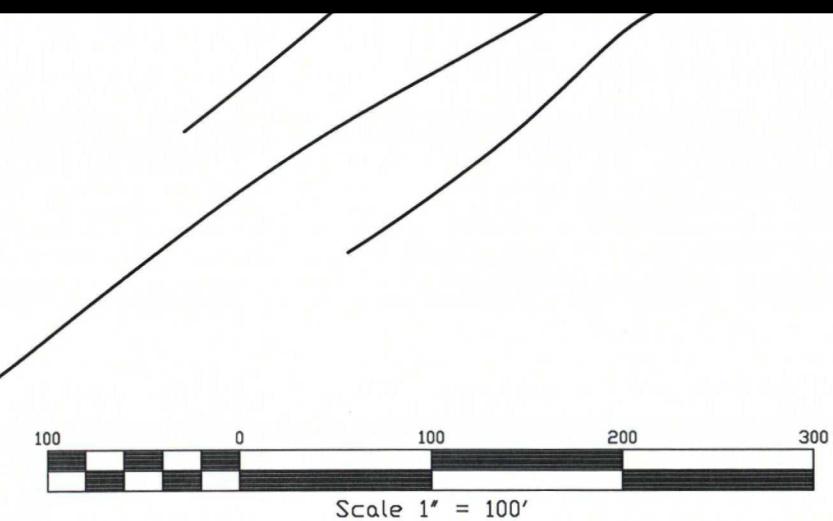
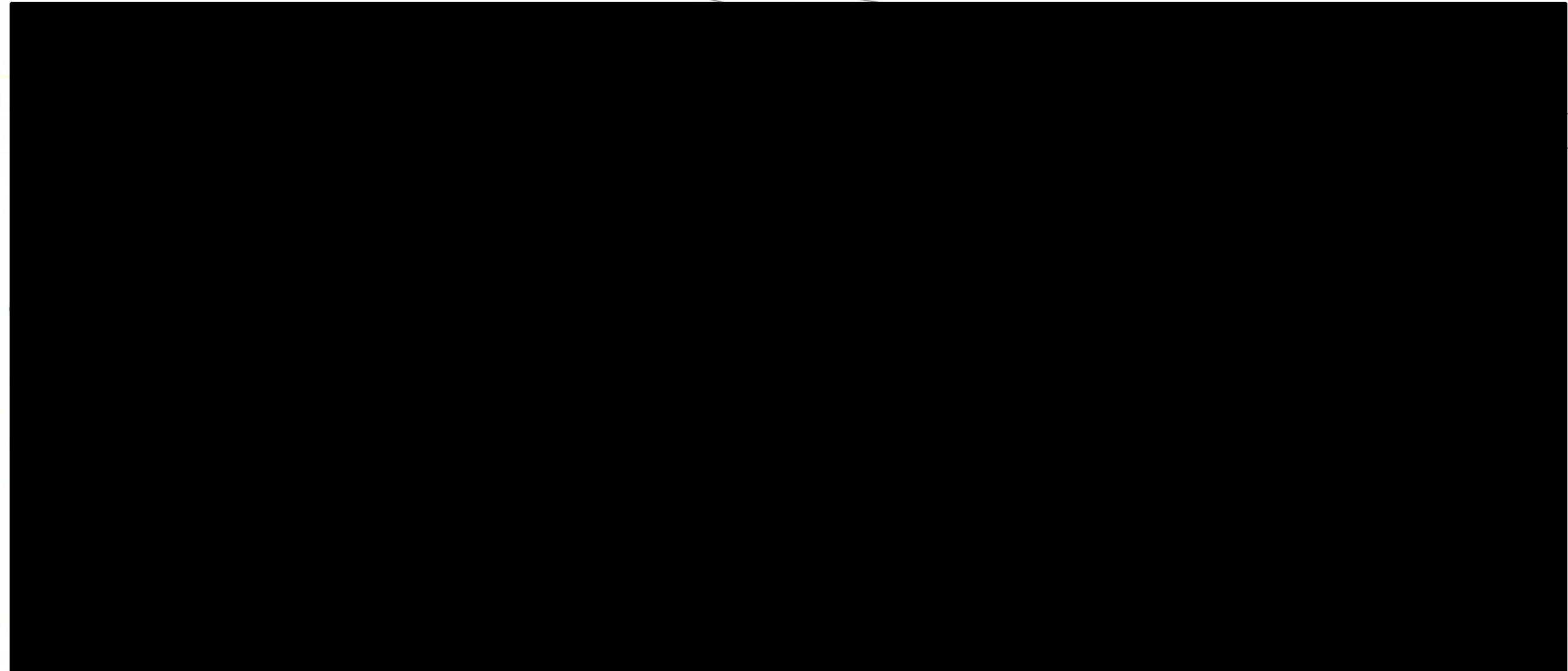
GRANVILLE SOLVENTS
GRANVILLE, OHIO

CIS-1,2-DICHLOROETHENE
CONCENTRATION MAP
SEPTEMBER 2009



NORTH

W. BROADWAY



GRANVILLE SOLVENTS
GRANVILLE, OHIO

TETRACHLOROETHENE (PCE)
ISOCONCENTRATION MAP

MARCH 2009



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5314-PCE9-2008
Project No.

5314

Sheet 1 of 1

Figure Revision
5 0

Design Drawn Check

XXX XXX XXX

Date Description

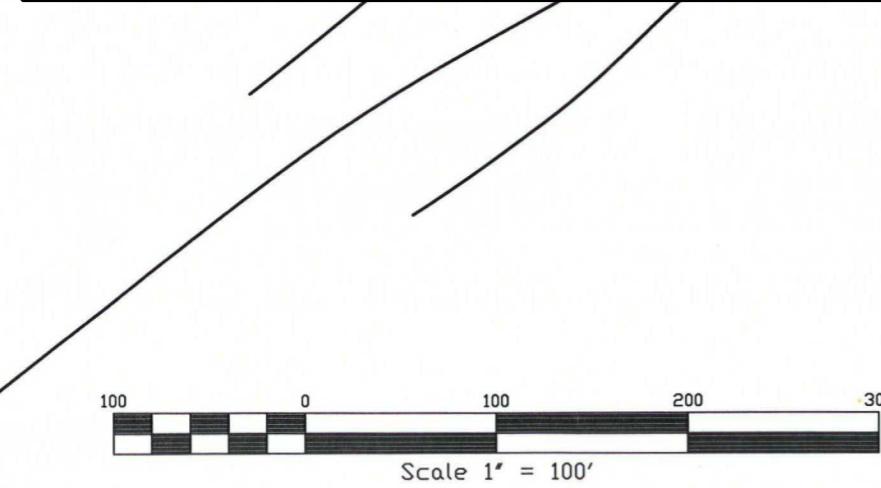
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0 XX-XX-02 REVISION DESCRIPTION



NORTH

W. BROADWAY



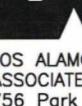
THE MCL FOR TETRACHLOROETHENE IS 5 ug/L

COLUMBUS RD.

THE RACCOON

CREEK SS-2

NOTE FENCE LOCATION IS APPROXIMATE BASED ON MAP
PROVIDED BY METCALF & EDDY (JULY 1995)

GRANVILLE SOLVENTS GRANVILLE, OHIO		TETRACHLOROETHENE (PCE) ISOCONCENTRATION MAP SEPTEMBER 2009		
 <p>LOS ALAMOS TECHNICAL ASSOCIATES INC. 756 Park Meadow Rd Westerville, Ohio 43081 (614) 508-1200 Fax (614) 508-1201 www.lata.com</p>				
File Name		5314-PCE9-2008		
Project No.				
5314				
Sheet 1 of 1				
Figure	Revision			
5A	0			



NORTH

W. BROADWAY

THE MCL FOR TRICHLOROETHENE IS 5 ug/L

THE MC PBR

100 0 100 200 300

Scale 1" = 100'

COLUMBUS RD.

RACCOON CREEK

NOTE FENCE LOCATION IS APPROXIMATE PROVIDED BY METCALF & EDDY (JUL)

NOTE FENCE LOCATION IS APPROXIMATE BASED ON MAP
PROVIDED BY METCALF & EDDY (JULY 1995)

GRANVILLE SOLVENTS
GRANVILLE, OHIO

**TRICHLOROETHENE (TCE)
ISOCONCENTRATION MAP
MARCH 2009**

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5134-tce 09-2008
Project No.

Project No.
5314

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Sheet 1 of 1

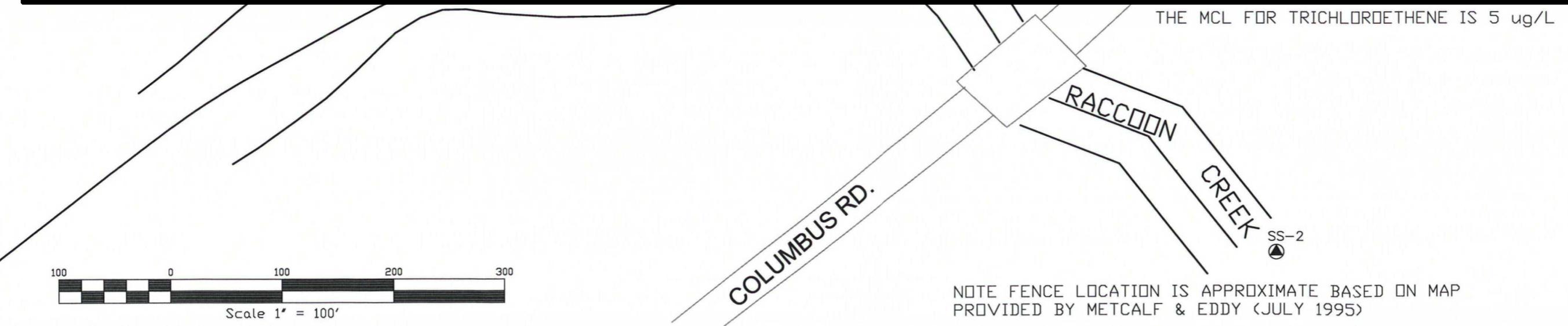
Figure Revision

6 | 0



NORTH

W. BROADWAY



THE MCL FOR TRICHLOROETHENE IS 5 ug/L

NOTE FENCE LOCATION IS APPROXIMATE BASED ON MAP PROVIDED BY METCALF & EDDY (JULY 1995)

**TRICHLOROETHENE (TCE)
ISOCONCENTRATION MAP
SEPTEMBER 2009**

GRANVILLE SOLVENTS
GRANVILLE, OHIO

WTA

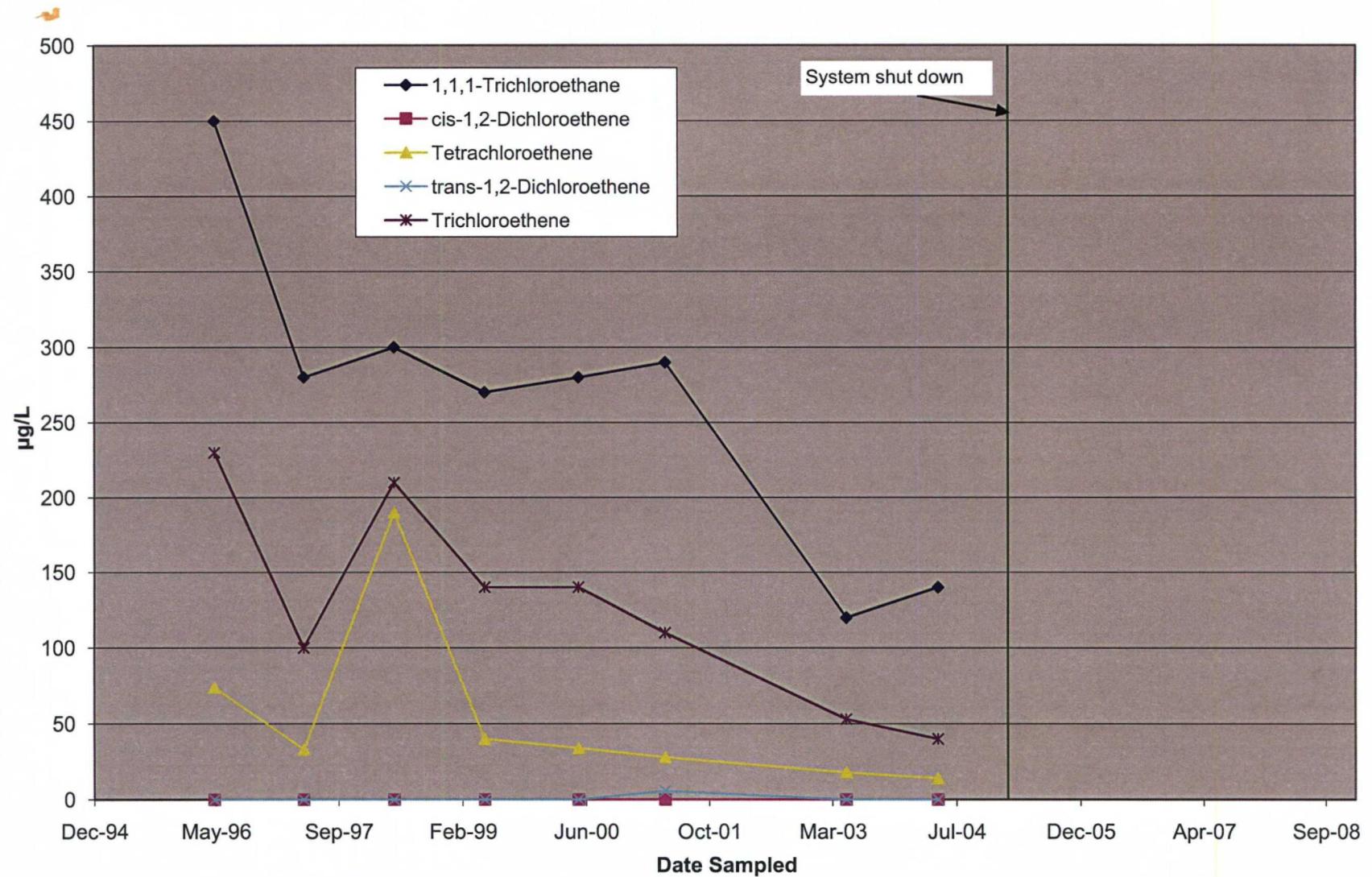
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Project No.

Project No.
5314

Figure	Revision
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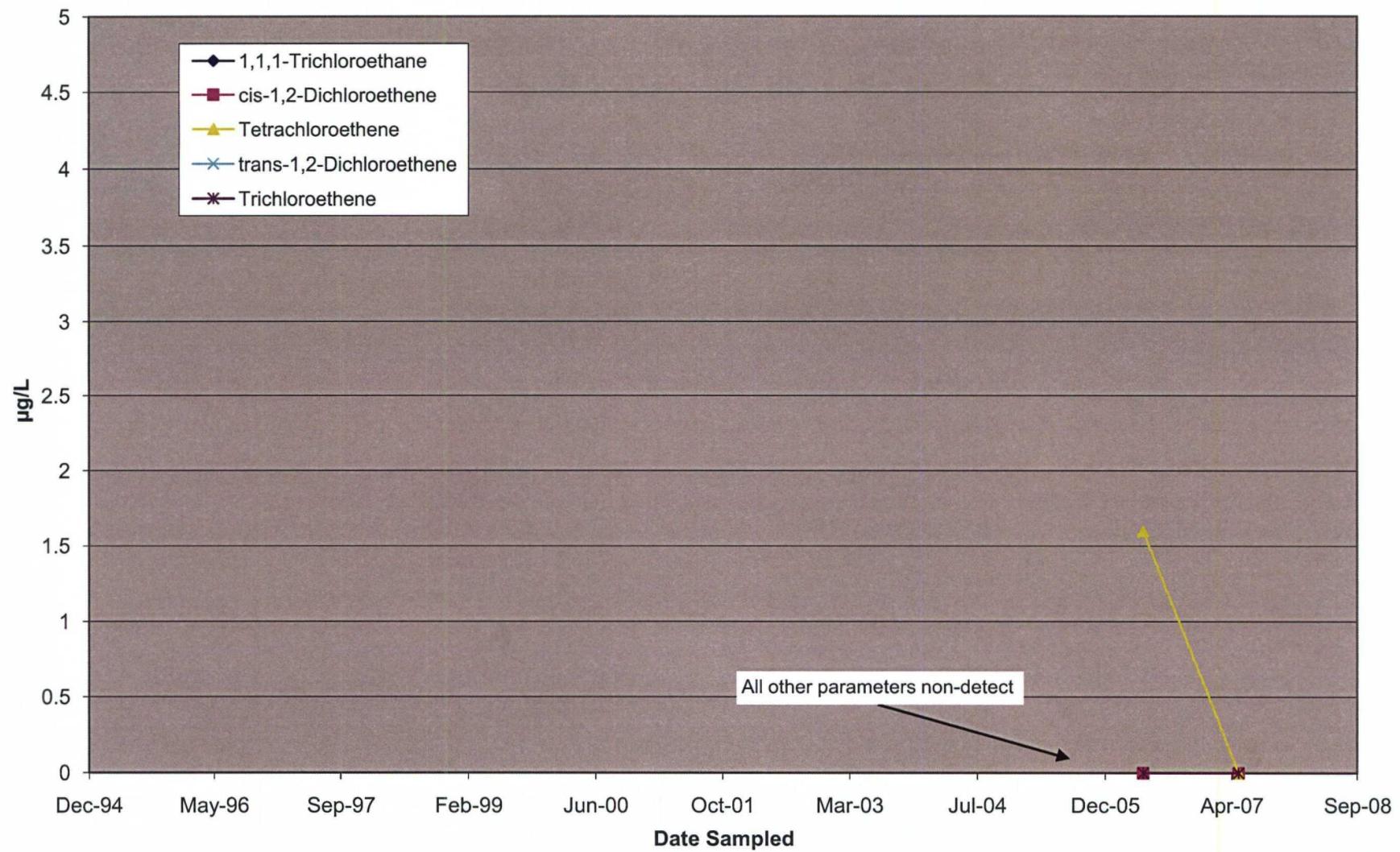
Figure 10. Granville Solvents VOC Concentrations in Well MW-01



Note: MW-1 not currently part of the sampling plan.

Graphs10-2009

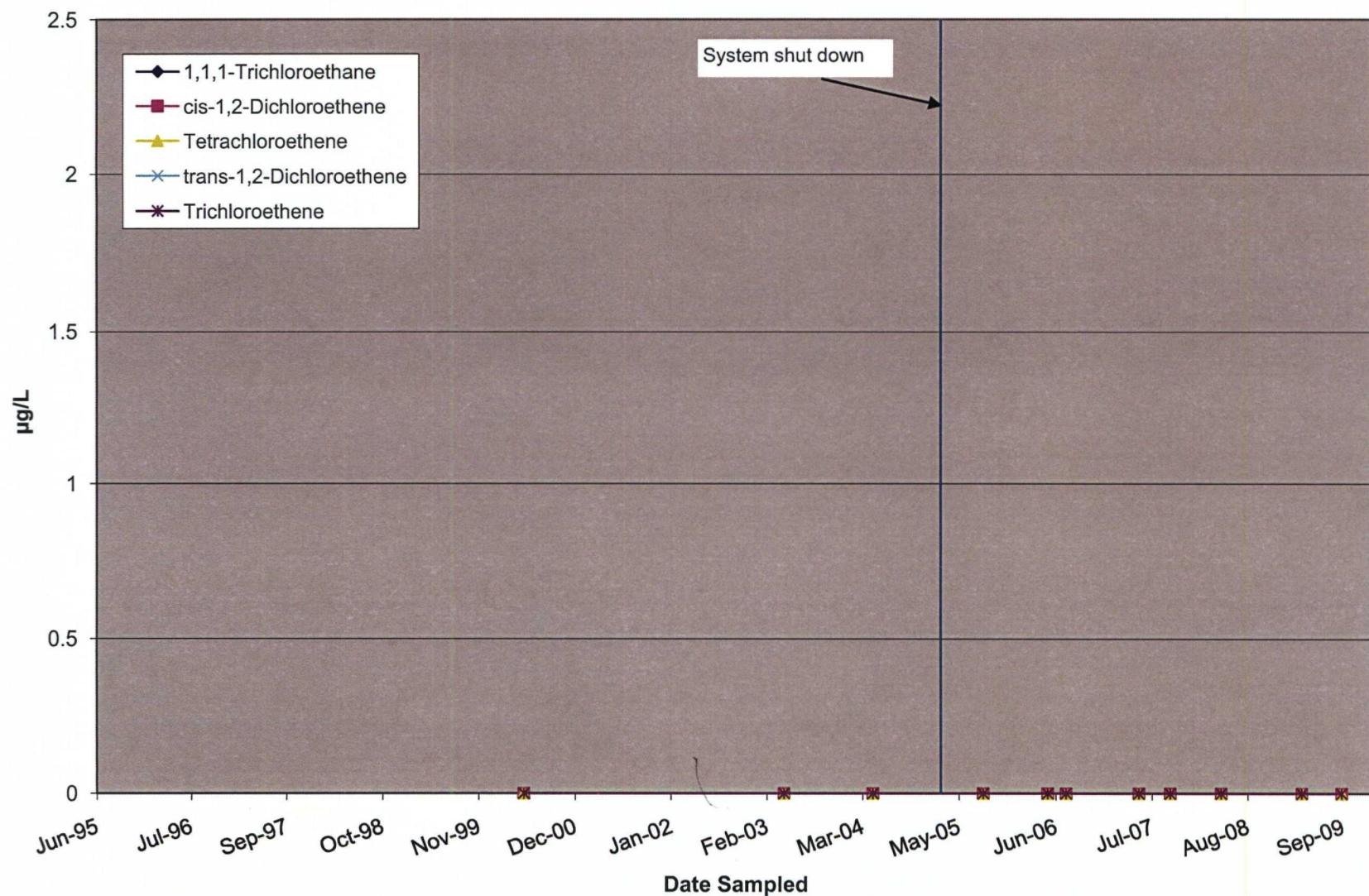
Figure 14. Granville Solvents VOC Concentrations in Well MW-07



Note: MW-7 not currently part of the sampling plan.

Graphs10-2009

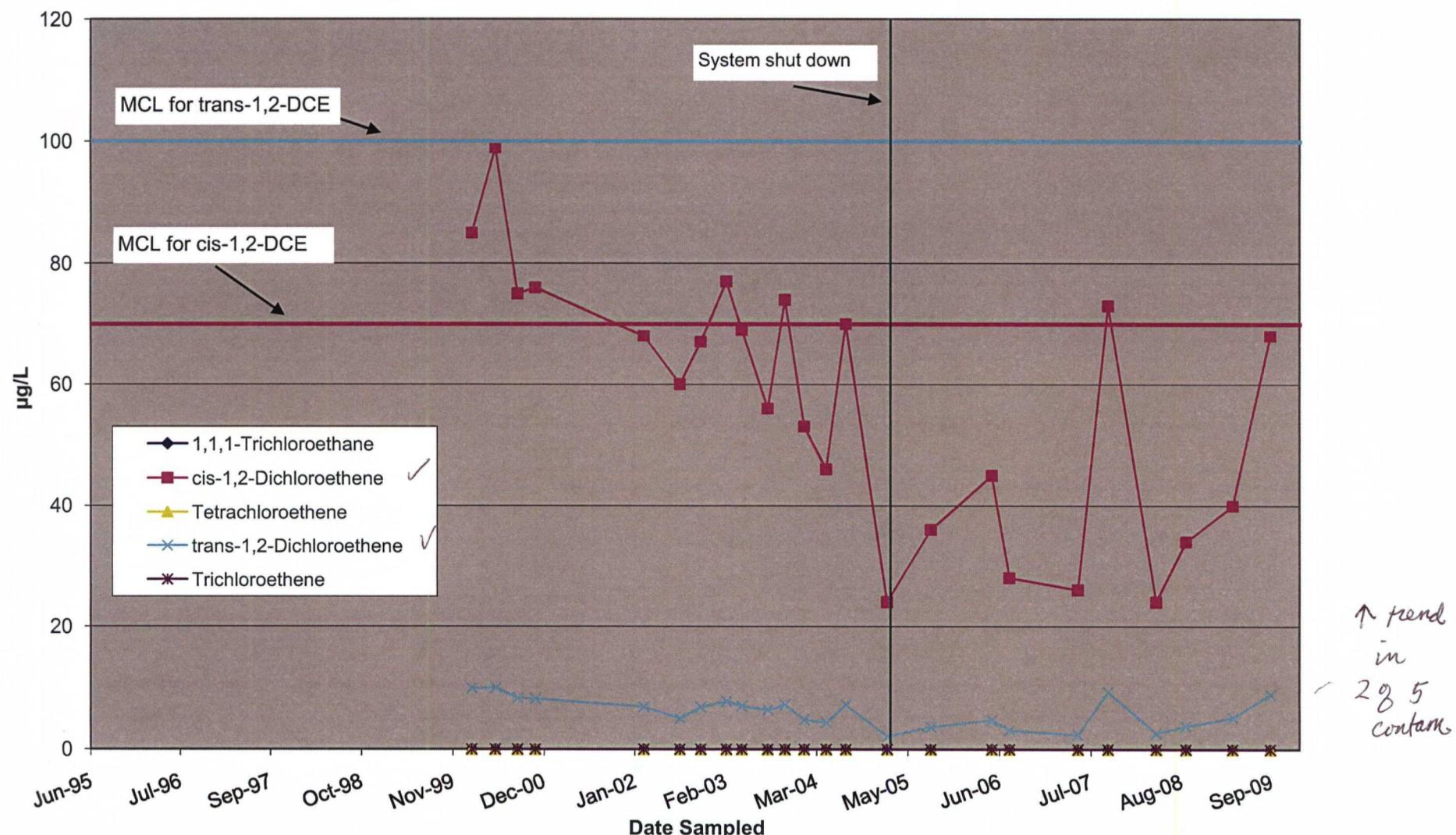
**Figure 15. Granville Solvents VOC Concentrations in Well MW-07D
[Leading Edge Well]**



Note: If the concentration of any VOC from a leading edge well is greater than twice the MCL, groundwater treatment will resume.

Graphs10-2009

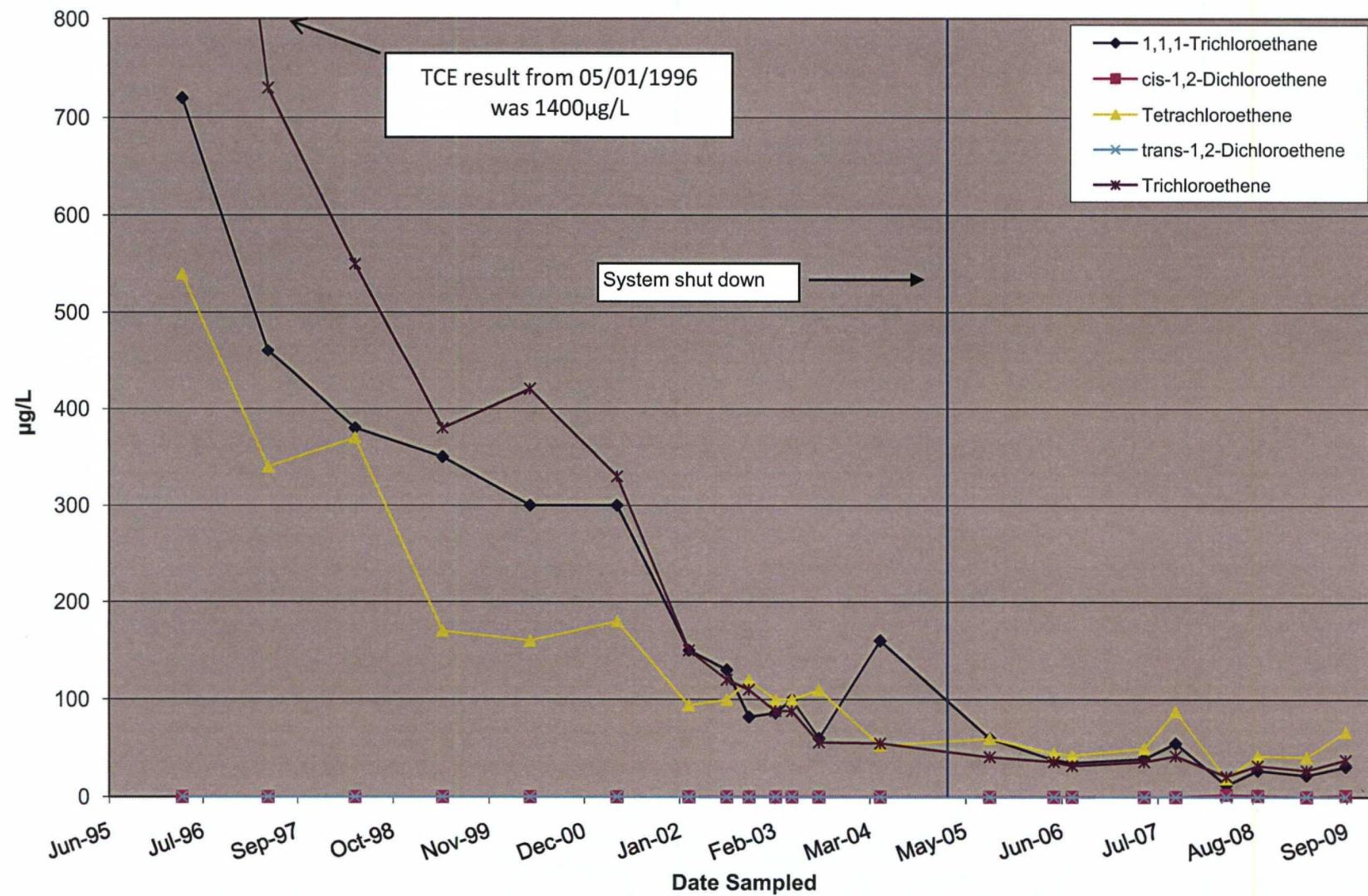
**Figure 16. Granville Solvents VOC Concentrations in Well MW-08
[Leading Edge Well]**



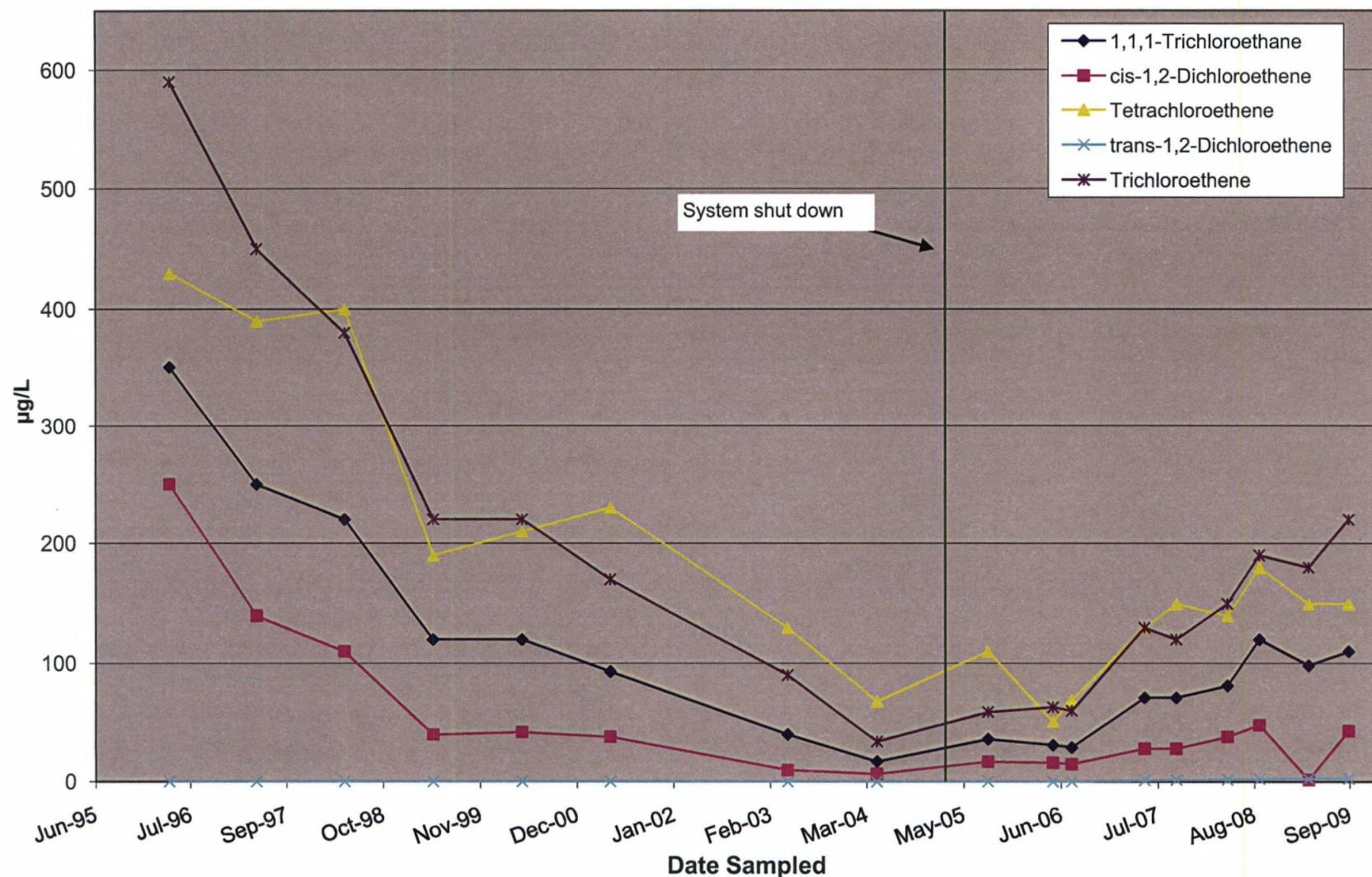
Note: If the concentration of any VOC from a leading edge well is greater than twice the MCL, groundwater treatment will resume.

Graphs10-2009

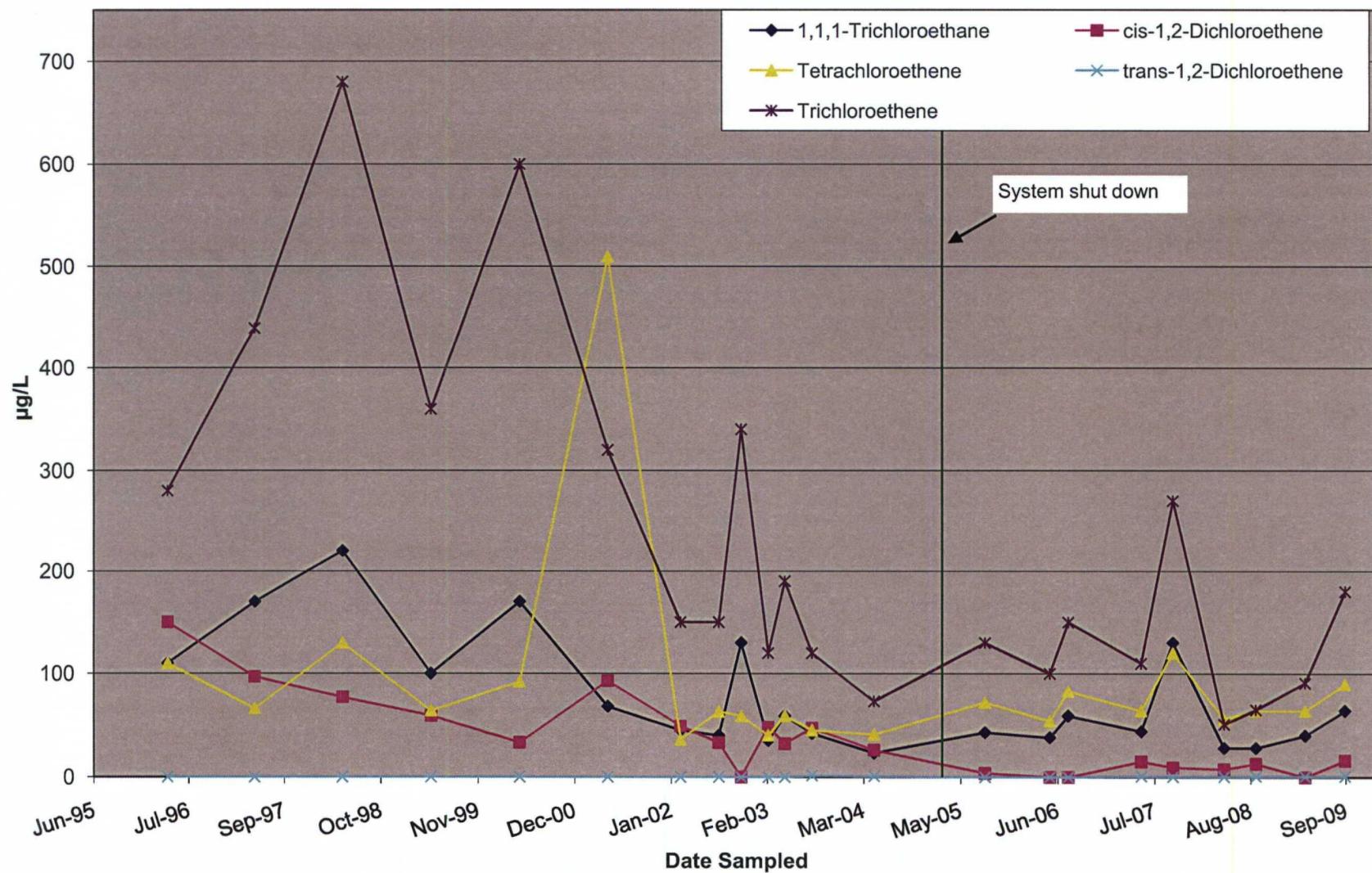
**Figure 17. Granville Solvents VOC Concentrations in Well MW-P1
[Source Area Well]**



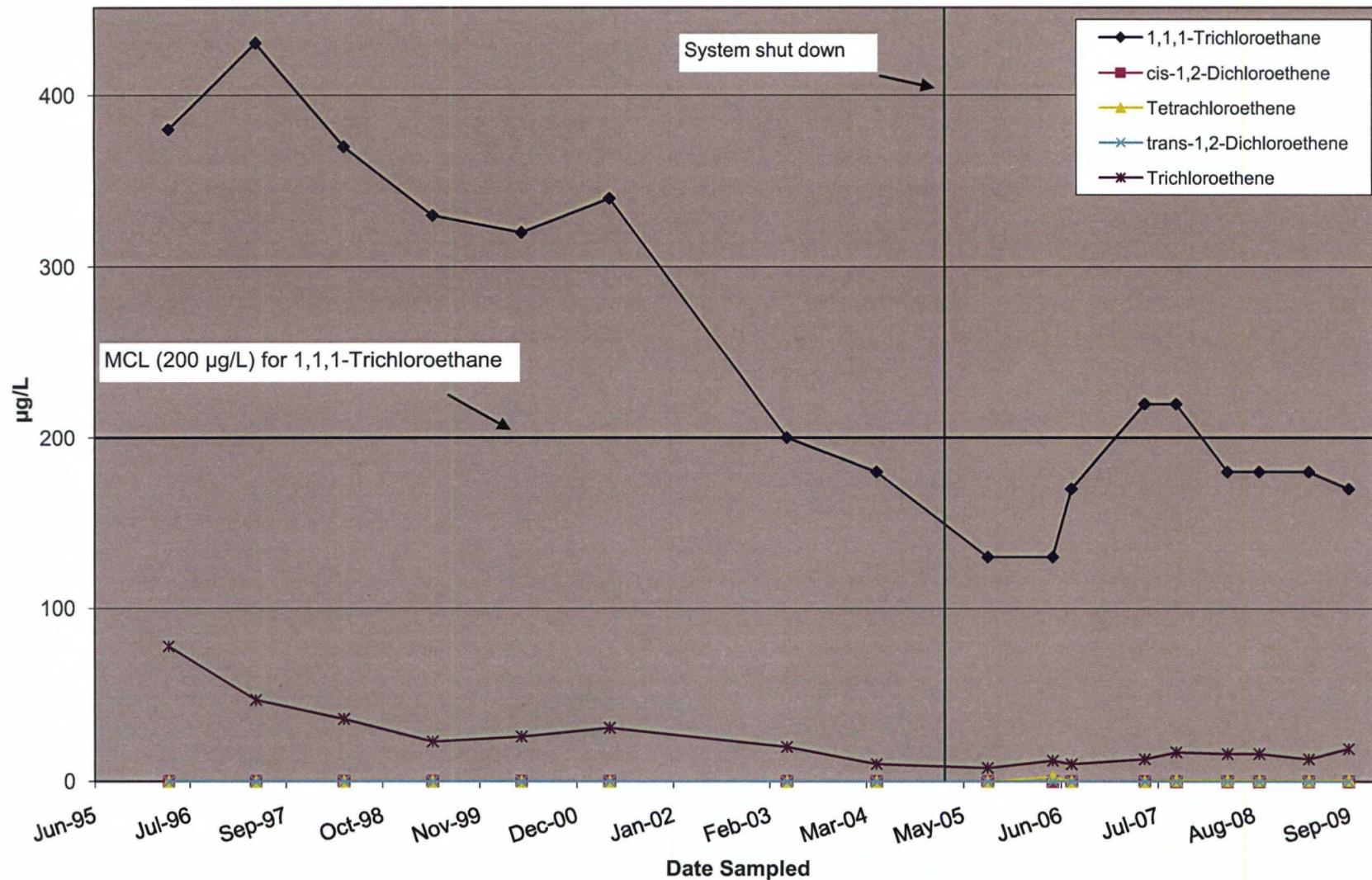
**Figure 11. Granville Solvents VOC Concentrations in Well MW-02D
[Source Area Well]**



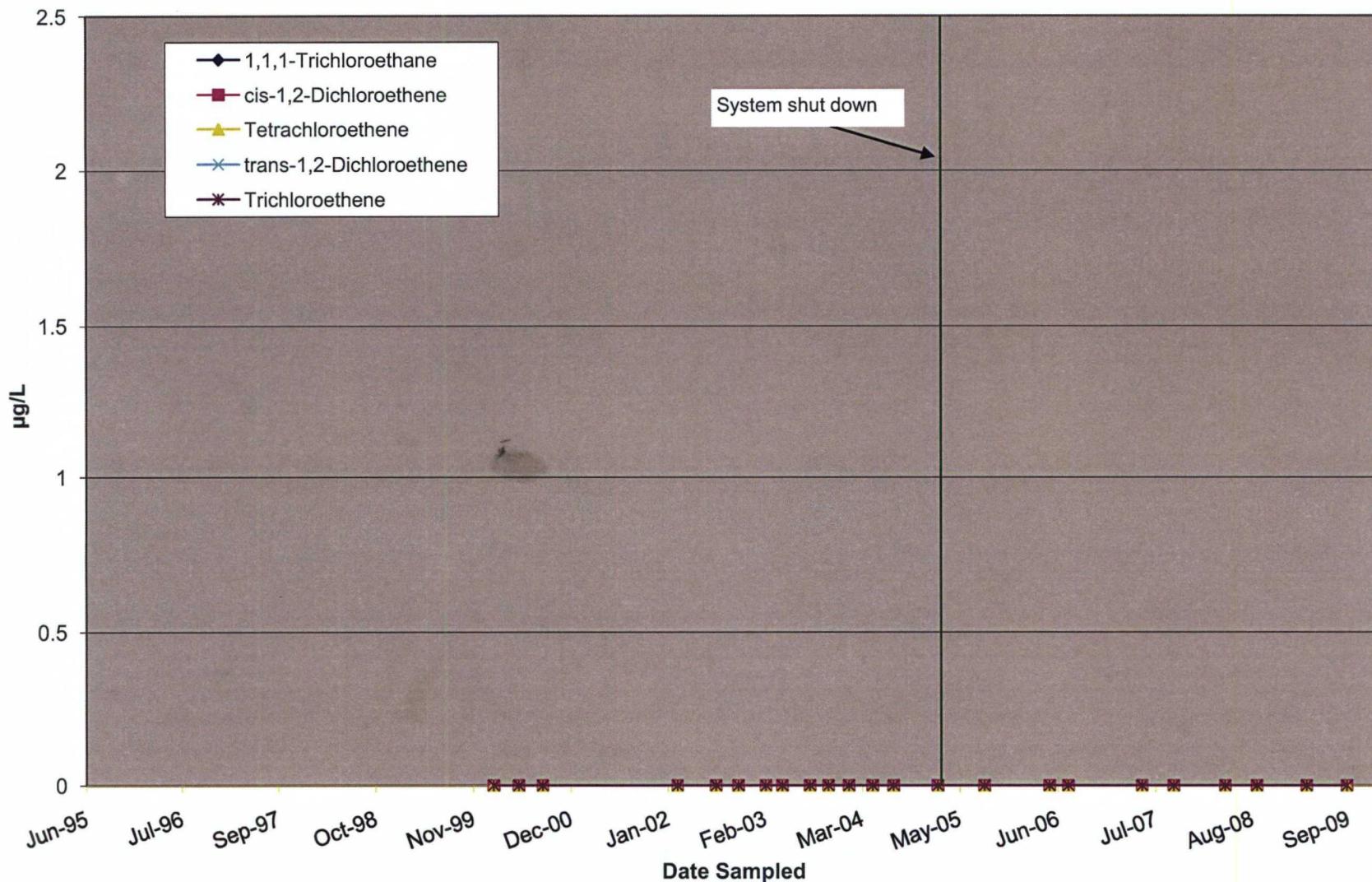
**Figure 12. Granville Solvents VOC Concentrations in Well MW-04D
[Source Area Well]**



**Figure 13. Granville Solvents VOC Concentrations in Well MW-06
[Source Area Well]**



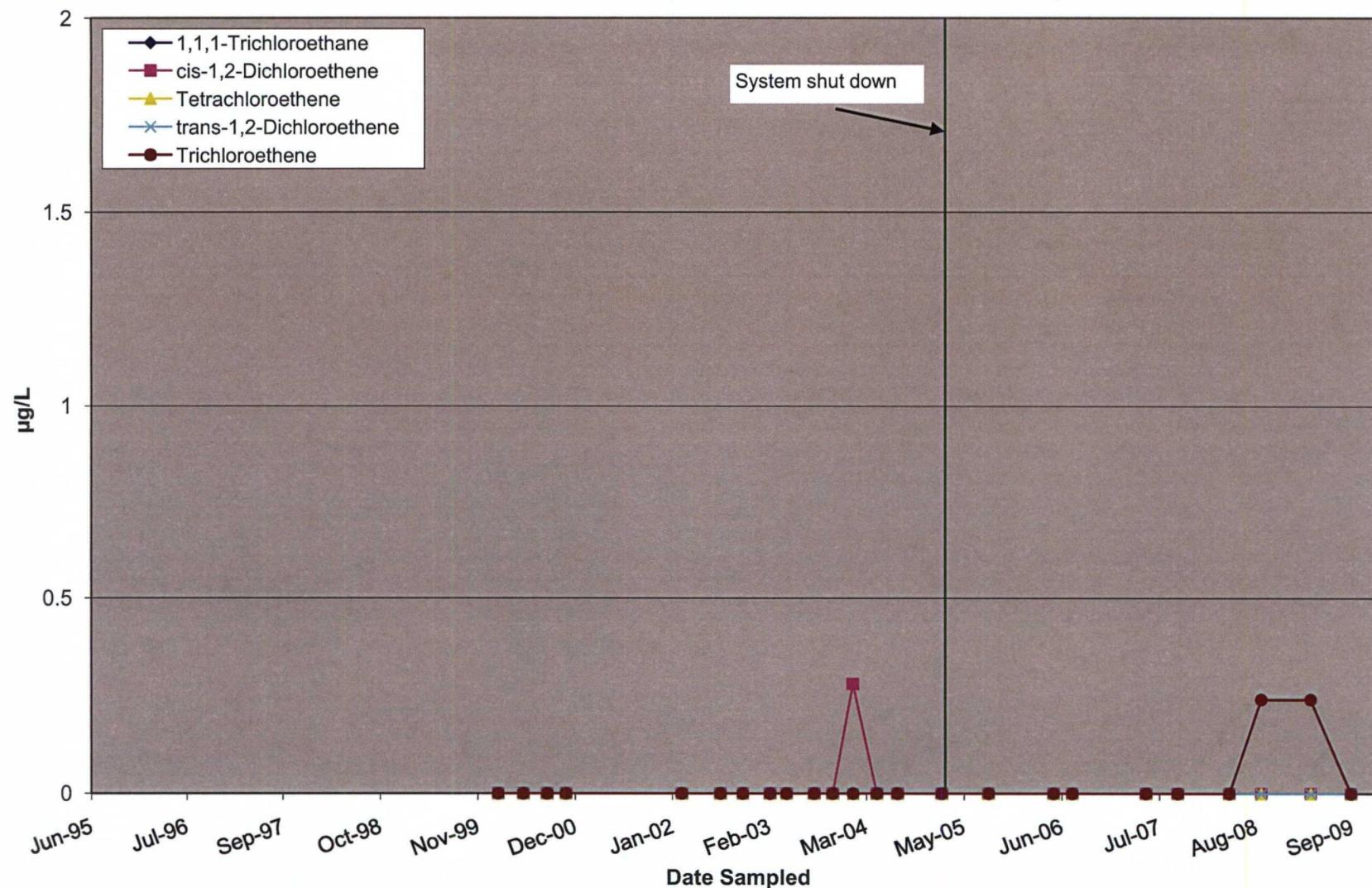
**Figure 7. Granville Solvents VOC Concentrations in Well GSSMW-08
[Compliance Well]**



Note: If the concentration of any VOC in a compliance well meets or exceeds the MCL, groundwater treatment will resume.

Graphs10-2009

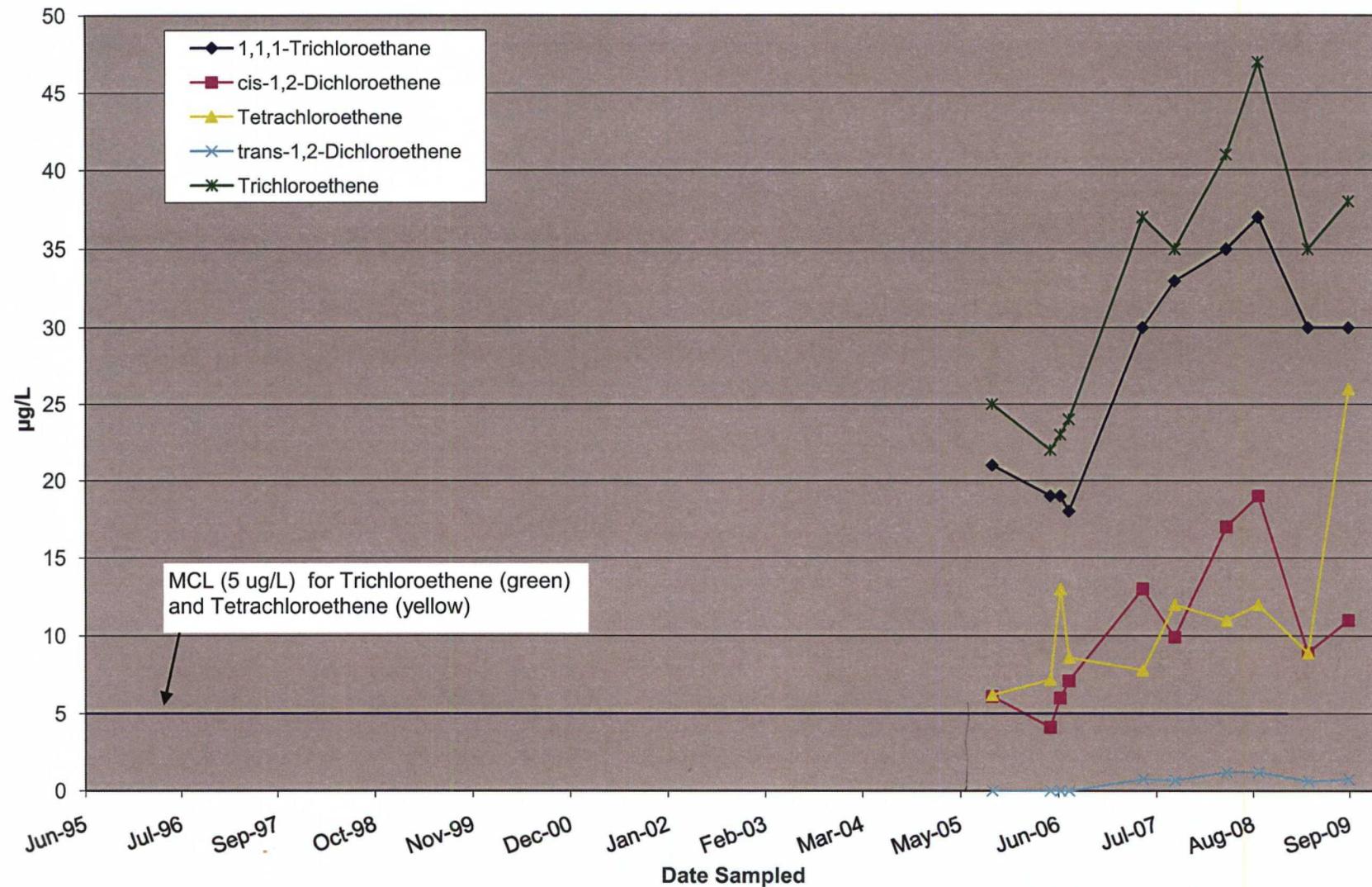
**Figure 8. Granville Solvents VOC Concentrations in Well GSSMW-09
[Compliance Well]**



Note: If the concentration of any VOC in a compliance well meets or exceeds the MCL, groundwater treatment will resume.

Graphs10-2009

Figure 9. Granville Solvents VOC Concentrations in Well GSSMW-15



Note: MCL for 1,1,1-Trichloroethane = 200 $\mu\text{g/L}$
 MCL for cis-1,2-Dichloroethene = 70 $\mu\text{g/L}$

Graphs10-2009

clearly
all contain
except TCA
↑
since last
sampling

Appendix A
Groundwater Analytical Data Summary

Appendix A
Granville Solvents
Water Quality Records for:
AI-01
Analysis Results

Sample Date	1,1,1-TCA µg/l	1,1-DCA µg/l	1,1-DCE µg/l	Cis-1,2-DCE µg/l	PCE µg/l	Trans-1,2-DCE µg/l	Toluene µg/l	TCE µg/l	Vinyl Chlor µg/l	FLAG	Lab Report Number
8/1/2001	< 5.7	< 5.7	< 5.7		7.1		< 5.7	4.6	< 11	D	A1H020235009
8/1/2001	< 5.6	< 5.6	< 5.6		32		< 5.6	17	< 11		A1H020235005

"0" = Non-detected result, laboratory detection limit unknown

Flag "D" = Field Duplicate Sample

Prepared by: 
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 614-508-1200

Appendix A
Granville Solvents
Water Quality Records for:
AI-02
Analysis Results

Sample Date	1,1,1-TCA µg/l	1,1-DCA µg/l	1,1-DCE µg/l	Cis-1,2-DCE µg/l	PCE µg/l	Trans-1,2-DCE µg/l	Toluene µg/l	TCE µg/l	Vinyl Chlor µg/l	FLAG	Lab Report Number
8/1/2001	2	< 1.2	< 1.2	< 1.2	63	< 1.2	< 1.2	58	< 1.2		A1H020235007

"0" = Non-detected result, laboratory detection limit unknown

Flag "D" = Field Duplicate Sample

Prepared by: 
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 Westerville, Ohio 43081
 614-508-1200

Appendix A
Granville Solvents
Water Quality Records for:
AI-03
Analysis Results

Sample Date	1,1,1-TCA µg/l	1,1-DCA µg/l	1,1-DCE µg/l	Cis-1,2-DCE µg/l	PCE µg/l	Trans-1,2-DCE µg/l	Toluene µg/l	TCE µg/l	Vinyl Chlor µg/l	FLAG	Lab Report Number
8/1/2001	24	< 12	< 12		140		< 12	89	< 24		A1H020235006

"0" = Non-detected result, laboratory detection limit unknown

Flag "D" = Field Duplicate Sample

Prepared by: 
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 Westerville, Ohio 43081
 614-508-1200

Appendix A
Granville Solvents
Water Quality Records for:
AI-04
Analysis Results

Sample Date	1,1,1-TCA µg/l	1,1-DCA µg/l	1,1-DCE µg/l	Cis-1,2-DCE µg/l	PCE µg/l	Trans-1,2-DCE µg/l	Toluene µg/l	TCE µg/l	Vinyl Chlor µg/l	FLAG	Lab Report Number
7/30/2001	1.3	< 1.2	< 1.2	< 1.2	22	< 1.2	< 1.2	37	< 1.2		A1G310114007

"0" = Non-detected result, laboratory detection limit unknown

Flag "D" = Field Duplicate Sample

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 Westerville, Ohio 43081
 614-508-1200

Appendix A
Granville Solvents
Water Quality Records for:
AI-05
Analysis Results

Sample Date	1,1,1-TCA µg/l	1,1-DCA µg/l	1,1-DCE µg/l	Cis-1,2-DCE µg/l	PCE µg/l	Trans-1,2-DCE µg/l	Toluene µg/l	TCE µg/l	Vinyl Chlor µg/l	FLAG	Lab Report Number
7/30/2001	< 280	< 280	< 280	< 280	1800	< 280	< 280	3400	< 280		A1G310114006

"0" = Non-detected result, laboratory detection limit unknown

Flag "D" = Field Duplicate Sample

Prepared by: 
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 Westerville, Ohio 43081
 614-508-1200

Appendix A
Granville Solvents
Water Quality Records for:
AI-06
Analysis Results

Sample Date	1,1,1-TCA µg/l	1,1-DCA µg/l	1,1-DCE µg/l	Cis-1,2-DCE µg/l	PCE µg/l	Trans-1,2-DCE µg/l	Toluene µg/l	TCE µg/l	Vinyl Chlor µg/l	FLAG	Lab Report Number
7/30/2001	8400	< 740	71		4800		3000	16000	< 1500		A1G310114005

"0" = Non-detected result, laboratory detection limit unknown

Flag "D" = Field Duplicate Sample

Prepared by:

WEA
 756 Park Meadow Rd.
 Westerville, Ohio 43081
 614-508-1200

Appendix A
Granville Solvents
Water Quality Records for:
AI-07
Analysis Results

Sample Date	1,1,1-TCA µg/l	1,1-DCA µg/l	1,1-DCE µg/l	Cis-1,2-DCE µg/l	PCE µg/l	Trans-1,2-DCE µg/l	Toluene µg/l	TCE µg/l	Vinyl Chlor µg/l	FLAG	Lab Report Number
7/30/2001	11	< 11	< 11	< 11	38	< 11	< 11	26	< 11		A1G310114004

"0" = Non-detected result, laboratory detection limit unknown

Flag "D" = Field Duplicate Sample

Prepared by: 
 756 Park Meadow Rd.
 Westerville, Ohio 43081
 614-508-1200

Appendix A
Granville Solvents
Water Quality Records for:
AI-08
Analysis Results

Sample Date	1,1,1-TCA µg/l	1,1-DCA µg/l	1,1-DCE µg/l	Cis-1,2-DCE µg/l	PCE µg/l	Trans-1,2-DCE µg/l	Toluene µg/l	TCE µg/l	Vinyl Chlor µg/l	FLAG	Lab Report Number
7/30/2001	16	< 12	< 12	< 12	120	< 12	< 12	36	< 12		A1G310114003

"0" = Non-detected result, laboratory detection limit unknown

Flag "D" = Field Duplicate Sample

Prepared by: 
 756 Park Meadow Rd.
 Westerville, Ohio 43081
 614-508-1200

Appendix A
Granville Solvents
Water Quality Records for:
AI-09
Analysis Results

Sample Date	1,1,1-TCA µg/l	1,1-DCA µg/l	1,1-DCE µg/l	Cis-1,2-DCE µg/l	PCE µg/l	Trans-1,2-DCE µg/l	Toluene µg/l	TCE µg/l	Vinyl Chlor µg/l	FLAG	Lab Report Number
7/24/2001	4.4	< 5.5	< 5.5		100		< 5.5	46	< 11		A1G270150003

"0" = Non-detected result, laboratory detection limit unknown

Flag "D" = Field Duplicate Sample

Prepared by: 
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 Westerville, Ohio 43081
 614-508-1200

Appendix A
Granville Solvents
Water Quality Records for:
AI-10
Analysis Results

Sample Date	1,1,1-TCA µg/l	1,1-DCA µg/l	1,1-DCE µg/l	Cis-1,2-DCE µg/l	PCE µg/l	Trans-1,2-DCE µg/l	Toluene µg/l	TCE µg/l	Vinyl Chlor µg/l	FLAG	Lab Report Number
7/31/2001	< 62	< 62	< 62	< 62	1400	< 62	< 62	150	< 62		A1H020235002

"0" = Non-detected result, laboratory detection limit unknown

Flag "D" = Field Duplicate Sample

Prepared by: 
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 Westerville, Ohio 43081
 614-508-1200

Appendix A
Granville Solvents
Water Quality Records for:
AI-11
Analysis Results

Sample Date	1,1,1-TCA µg/l	1,1-DCA µg/l	1,1-DCE µg/l	Cis-1,2-DCE µg/l	PCE µg/l	Trans-1,2-DCE µg/l	Toluene µg/l	TCE µg/l	Vinyl Chlor µg/l	FLAG	Lab Report Number
7/31/2001	140	< 120	< 120	< 120	5600	< 120	< 120	310	< 120		A1H020235003

"0" = Non-detected result, laboratory detection limit unknown

Flag "D" = Field Duplicate Sample

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Appendix A
Granville Solvents
Water Quality Records for:
AI-12
Analysis Results

Sample Date	1,1,1-TCA µg/l	1,1-DCA µg/l	1,1-DCE µg/l	Cis-1,2-DCE µg/l	PCE µg/l	Trans-1,2-DCE µg/l	Toluene µg/l	TCE µg/l	Vinyl Chlor µg/l	FLAG	Lab Report Number
7/24/2001	9	< 6.2	< 6.2		200		< 6.2	65	< 12		A1G270150005

"0" = Non-detected result, laboratory detection limit unknown

Flag "D" = Field Duplicate Sample

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Appendix A
Granville Solvents
Water Quality Records for:
AI-13
Analysis Results

Sample Date	1,1,1-TCA µg/l	1,1-DCA µg/l	1,1-DCE µg/l	Cis-1,2-DCE µg/l	PCE µg/l	Trans-1,2-DCE µg/l	Toluene µg/l	TCE µg/l	Vinyl Chlor µg/l	FLAG	Lab Report Number
7/24/2001	240	71	< 20		630		< 20	130	< 39		A1G270150004

"0" = Non-detected result, laboratory detection limit unknown

Flag "D" = Field Duplicate Sample

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Appendix A
Granville Solvents
Water Quality Records for:
AI-14
Analysis Results

Sample Date	1,1,1-TCA µg/l	1,1-DCA µg/l	1,1-DCE µg/l	Cis-1,2-DCE µg/l	PCE µg/l	Trans-1,2-DCE µg/l	Toluene µg/l	TCE µg/l	Vinyl Chlor µg/l	FLAG	Lab Report Number
7/31/2001	< 5.8	< 5.8	< 5.8		48		< 5.8	7.9	< 12		A1H020235001

"0" = Non-detected result, laboratory detection limit unknown

Flag "D" = Field Duplicate Sample

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Appendix A
Granville Solvents
Water Quality Records for:
AI-15
Analysis Results

Sample Date	1,1,1-TCA µg/l	1,1-DCA µg/l	1,1-DCE µg/l	Cis-1,2-DCE µg/l	PCE µg/l	Trans-1,2-DCE µg/l	Toluene µg/l	TCE µg/l	Vinyl Chlor µg/l	FLAG	Lab Report Number
7/30/2001	< 720	< 720	< 720		3000		< 720	130	< 1400		A1G310114008

"0" = Non-detected result, laboratory detection limit unknown

Flag "D" = Field Duplicate Sample

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Appendix A
Granville Solvents
Water Quality Records for:
AI-16
Analysis Results

Sample Date	1,1,1-TCA µg/l	1,1-DCA µg/l	1,1-DCE µg/l	Cis-1,2-DCE µg/l	PCE µg/l	Trans-1,2-DCE µg/l	Toluene µg/l	TCE µg/l	Vinyl Chlor µg/l	FLAG	Lab Report Number
7/24/2001	< 5.5	< 5.5	< 5.5		210		.73	5.2	< 11		A1G270150002

"0" = Non-detected result, laboratory detection limit unknown

Flag "D" = Field Duplicate Sample

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Appendix A
Granville Solvents
Water Quality Records for:
AS-01
Analysis Results

Sample Date	1,1,1-TCA µg/l	1,1-DCA µg/l	1,1-DCE µg/l	Cis-1,2-DCE µg/l	PCE µg/l	Trans-1,2-DCE µg/l	Toluene µg/l	TCE µg/l	Vinyl Chlor µg/l	FLAG	Lab Report Number
7/25/2001	14	200	< 28		16		< 28	180	< 57		A1G270150010

"0" = Non-detected result, laboratory detection limit unknown

Flag "D" = Field Duplicate Sample

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Appendix A
Granville Solvents
Water Quality Records for:
AS-02
Analysis Results

Sample Date	1,1,1-TCA µg/l	1,1-DCA µg/l	1,1-DCE µg/l	Cis-1,2-DCE µg/l	PCE µg/l	Trans-1,2-DCE µg/l	Toluene µg/l	TCE µg/l	Vinyl Chlor µg/l	FLAG	Lab Report Number
8/1/2001	680	< 220	< 220	< 220	5000	< 220	< 220	3000	< 220		A1H020235008

"0" = Non-detected result, laboratory detection limit unknown

Flag "D" = Field Duplicate Sample

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Appendix A
Granville Solvents
Water Quality Records for:
AS-03
Analysis Results

Sample Date	1,1,1-TCA µg/l	1,1-DCA µg/l	1,1-DCE µg/l	Cis-1,2-DCE µg/l	PCE µg/l	Trans-1,2-DCE µg/l	Toluene µg/l	TCE µg/l	Vinyl Chlor µg/l	FLAG	Lab Report Number
7/27/2001	< 260	< 260	< 260	< 260	6400	< 260	< 260	1000	< 260		A1G310114001

"0" = Non-detected result, laboratory detection limit unknown

Flag "D" = Field Duplicate Sample

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Appendix A
Granville Solvents
Water Quality Records for:
AS-04
Analysis Results

Sample Date	1,1,1-TCA µg/l	1,1-DCA µg/l	1,1-DCE µg/l	Cis-1,2-DCE µg/l	PCE µg/l	Trans-1,2-DCE µg/l	Toluene µg/l	TCE µg/l	Vinyl Chlor µg/l	FLAG	Lab Report Number
7/25/2001	690	< 270	< 270	< 270	14000	< 270	< 270	2700	< 270		A1G270150011

"0" = Non-detected result, laboratory detection limit unknown

Flag "D" = Field Duplicate Sample

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Appendix A
Granville Solvents
Water Quality Records for:
AS-05
Analysis Results

Sample Date	1,1,1-TCA µg/l	1,1-DCA µg/l	1,1-DCE µg/l	Cis-1,2-DCE µg/l	PCE µg/l	Trans-1,2-DCE µg/l	Toluene µg/l	TCE µg/l	Vinyl Chlor µg/l	FLAG	Lab Report Number
7/31/2001	< 220	< 220	< 220	< 220	6800	< 220	< 220	430	< 220		A1H020235004

"0" = Non-detected result, laboratory detection limit unknown

Flag "D" = Field Duplicate Sample

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Appendix A
Granville Solvents
Water Quality Records for:
AS-06
Analysis Results

Sample Date	1,1,1-TCA µg/l	1,1-DCA µg/l	1,1-DCE µg/l	Cis-1,2-DCE µg/l	PCE µg/l	Trans-1,2-DCE µg/l	Toluene µg/l	TCE µg/l	Vinyl Chlor µg/l	FLAG	Lab Report Number
7/30/2001	240	< 680	< 680		14000		41	590	< 1400		A1G310114009

"0" = Non-detected result, laboratory detection limit unknown

Flag "D" = Field Duplicate Sample

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Appendix A
Granville Solvents
Water Quality Records for:
EW-02
Analysis Results

Sample Date	1,1,1-TCA µg/l	1,1-DCA µg/l	1,1-DCE µg/l	Cis-1,2-DCE µg/l	PCE µg/l	Trans-1,2-DCE µg/l	Toluene µg/l	TCE µg/l	Vinyl Chlor µg/l	FLAG	Lab Report Number
10/4/2001	32.4			5.6	36.5	0		39.9			
10/18/2001	29.1			5	36.5	0		36.2			
11/7/2001	26.9			4.6	36	0		33.7			
12/12/2001	30.5			5.1	37.5	0		33.2			
1/16/2002	29.7			5.5	31.6	0		39.8			

"0" = Non-detected result, laboratory detection limit unknown

Flag "D" = Field Duplicate Sample

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Appendix A
Granville Solvents
Water Quality Records for:
GSS-EW-01
Analysis Results

Sample Date	1,1,1-TCA µg/l	1,1-DCA µg/l	1,1-DCE µg/l	Cis-1,2-DCE µg/l	PCE µg/l	Trans-1,2-DCE µg/l	Toluene µg/l	TCE µg/l	Vinyl Chlor µg/l	FLAG	Lab Report Number
7/20/2006	<.8	<.4	<1	<1	<1	<.6	<1	<1	<1		A6G210358009
5/17/2007	<.5	<.5	<.5	.5	<.5	<.5	<.5	<.5	<.5		680-27181-9
4/25/2008	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5		680-36272-3
3/30/2009	<.5	<.5	<.5	.79	<.5	<.5	<.5	<.5	<.5		680-46033-2

"0" = Non-detected result, laboratory detection limit unknown

Flag "D" = Field Duplicate Sample

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Appendix A
Granville Solvents
Water Quality Records for:
GSS-MW-02
Analysis Results

Sample Date	1,1,1-TCA µg/l	1,1-DCA µg/l	1,1-DCE µg/l	Cis-1,2-DCE µg/l	PCE µg/l	Trans-1,2-DCE µg/l	Toluene µg/l	TCE µg/l	Vinyl Chlor µg/l	FLAG	Lab Report Number
5/11/2004	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5		571111

"0" = Non-detected result, laboratory detection limit unknown

Flag "D" = Field Duplicate Sample

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Appendix A
Granville Solvents
Water Quality Records for:
GSS-MW-04
Analysis Results

Sample Date	1,1,1-TCA µg/l	1,1-DCA µg/l	1,1-DCE µg/l	Cis-1,2-DCE µg/l	PCE µg/l	Trans-1,2-DCE µg/l	Toluene µg/l	TCE µg/l	Vinyl Chlor µg/l	FLAG	Lab Report Number
5/11/2004	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5		571097

"0" = Non-detected result, laboratory detection limit unknown

Flag "D" = Field Duplicate Sample

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Appendix A
Granville Solvents
Water Quality Records for:
GSS-MW-05
Analysis Results

Sample Date	1,1,1-TCA µg/l	1,1-DCA µg/l	1,1-DCE µg/l	Cis-1,2-DCE µg/l	PCE µg/l	Trans-1,2-DCE µg/l	Toluene µg/l	TCE µg/l	Vinyl Chlor µg/l	FLAG	Lab Report Number
5/10/2004	.57	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5		571103

"0" = Non-detected result, laboratory detection limit unknown

Flag "D" = Field Duplicate Sample

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Appendix A
Granville Solvents
Water Quality Records for:
GSS-MW-06
Analysis Results

Sample Date	1,1,1-TCA µg/l	1,1-DCA µg/l	1,1-DCE µg/l	Cis-1,2-DCE µg/l	PCE µg/l	Trans-1,2-DCE µg/l	Toluene µg/l	TCE µg/l	Vinyl Chlor µg/l	FLAG	Lab Report Number
2/3/2004	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5		559620
5/10/2004	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5		571104
8/4/2004	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5		581227
2/1/2005	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5		606882

"0" = Non-detected result, laboratory detection limit unknown

Flag "D" = Field Duplicate Sample

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Appendix A
Granville Solvents
Water Quality Records for:
GSS-MW-08
Analysis Results

Sample Date	1,1,1-TCA µg/l	1,1-DCA µg/l	1,1-DCE µg/l	Cis-1,2-DCE µg/l	PCE µg/l	Trans-1,2-DCE µg/l	Toluene µg/l	TCE µg/l	Vinyl Chlor µg/l	FLAG	Lab Report Number
2/2/2000	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5		
5/15/2000	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5		
8/21/2000	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5		
2/27/2002	<.5	<.5	<.5	<.5	<.5	<.5	.35	<.5	<.5		
8/5/2002	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5		
11/5/2002	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5		
2/26/2003	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5		
5/5/2003	<.5	<.5	<.5	<.5	<.5	<.5	1.8	<.5	<.5		
8/27/2003	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5		
11/11/2003	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5		

"0" = Non-detected result, laboratory detection limit unknown

Flag "D" = Field Duplicate Sample

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Appendix A
Granville Solvents
Water Quality Records for:
GSS-MW-08
Analysis Results

Sample Date	1,1,1-TCA µg/l	1,1-DCA µg/l	1,1-DCE µg/l	Cis-1,2-DCE µg/l	PCE µg/l	Trans-1,2-DCE µg/l	Toluene µg/l	TCE µg/l	Vinyl Chlor µg/l	FLAG	Lab Report Number
2/3/2004	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5		559615
5/11/2004	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5		571093
8/4/2004	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5		581229
2/1/2005	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5		606877
8/11/2005	<.22	<.22	<.24	<.24	<.26	<.21	<.22	<.23	<.28		680-6992-9
5/4/2006	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5		680-16422-1
7/20/2006	<.8	<.4	<1	<1	<1	<.6	<1	<1	<1		A6G210358008
5/17/2007	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5		680-27181-7
9/25/2007	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5		680-30607-4
4/25/2008	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5		680-36272-1

"0" = Non-detected result, laboratory detection limit unknown

Flag "D" = Field Duplicate Sample

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Appendix A
Granville Solvents
Water Quality Records for:
GSS-MW-08
Analysis Results

Sample Date	1,1,1-TCA µg/l	1,1-DCA µg/l	1,1-DCE µg/l	Cis-1,2-DCE µg/l	PCE µg/l	Trans-1,2-DCE µg/l	Toluene µg/l	TCE µg/l	Vinyl Chlor µg/l	FLAG	Lab Report Number
9/4/2008	<.16	<.23	<.24	<.25	<.22	<.22	<.21	<.2	<.29		680-40224-1
3/30/2009	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5		680-46033-5
9/14/2009	<.27	<.39	<.32	<.37	<.3	<.24	<.23	<.37	<.33		A9II160247-3

"0" = Non-detected result, laboratory detection limit unknown

Flag "D" = Field Duplicate Sample

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Appendix A
Granville Solvents
Water Quality Records for:
GSS-MW-09
Analysis Results

Sample Date	1,1,1-TCA µg/l	1,1-DCA µg/l	1,1-DCE µg/l	Cis-1,2-DCE µg/l	PCE µg/l	Trans-1,2-DCE µg/l	Toluene µg/l	TCE µg/l	Vinyl Chlor µg/l	FLAG	Lab Report Number
2/2/2000	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5		
5/15/2000	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5		
8/21/2000	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5		
11/7/2000	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5		
2/27/2002	<.5	<.5	<.5	<.5	<.5	<.5	.34	<.5	<.5		
8/5/2002	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5		
11/5/2002	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5		
2/26/2003	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5		
5/5/2003	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5		
8/27/2003	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5		

"0" = Non-detected result, laboratory detection limit unknown

Flag "D" = Field Duplicate Sample

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Appendix A
Granville Solvents
Water Quality Records for:
GSS-MW-09
Analysis Results

Sample Date	1,1,1-TCA µg/l	1,1-DCA µg/l	1,1-DCE µg/l	Cis-1,2-DCE µg/l	PCE µg/l	Trans-1,2-DCE µg/l	Toluene µg/l	TCE µg/l	Vinyl Chlor µg/l	FLAG	Lab Report Number
11/11/2003	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5		
2/3/2004	<.5	<.5	<.5	.28	<.5	<.5	<.5	<.5	<.5		559616
5/11/2004	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5		571108
8/4/2004	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5		581231
2/1/2005	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5		606878
8/11/2005	<.22	<.22	<.24	<.24	<.26	<.21	<.22	<.23	<.28		680-6992-7
5/4/2006	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5		680-16422-2
7/19/2006	<.8	<.4	<1	<1	<1	<.6	<1	<1	<1		A6G210358006
5/17/2007	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5		680-27181-8
9/25/2007	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5		680-30607-6

"0" = Non-detected result, laboratory detection limit unknown

Flag "D" = Field Duplicate Sample

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Appendix A
Granville Solvents
Water Quality Records for:
GSS-MW-09
Analysis Results

Sample Date	1,1,1-TCA µg/l	1,1-DCA µg/l	1,1-DCE µg/l	Cis-1,2-DCE µg/l	PCE µg/l	Trans-1,2-DCE µg/l	Toluene µg/l	TCE µg/l	Vinyl Chlor µg/l	FLAG	Lab Report Number
4/25/2008	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	.	680-36272-2
9/5/2008	<.16	<.23	<.24	<.25	<.22	<.22	<.21	.24	<.29	.	680-40224-6
3/30/2009	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	.	680-46033-1
9/14/2009	<.27	<.39	<.32	<.37	<.3	<.24	<.23	<.37	<.33	.	A9I160247-1

"0" = Non-detected result, laboratory detection limit unknown

Flag "D" = Field Duplicate Sample

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Appendix A
Granville Solvents
Water Quality Records for:
GSS-MW-10
Analysis Results

Sample Date	1,1,1-TCA µg/l	1,1-DCA µg/l	1,1-DCE µg/l	Cis-1,2-DCE µg/l	PCE µg/l	Trans-1,2-DCE µg/l	Toluene µg/l	TCE µg/l	Vinyl Chlor µg/l	FLAG	Lab Report Number
2/3/2004	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5		559618
5/11/2004	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5		571109
8/4/2004	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5		581230
2/1/2005	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5		606880

"0" = Non-detected result, laboratory detection limit unknown

Flag "D" = Field Duplicate Sample

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Appendix A
Granville Solvents
Water Quality Records for:
GSS-MW-12
Analysis Results

Sample Date	1,1,1-TCA µg/l	1,1-DCA µg/l	1,1-DCE µg/l	Cis-1,2-DCE µg/l	PCE µg/l	Trans-1,2-DCE µg/l	Toluene µg/l	TCE µg/l	Vinyl Chlor µg/l	FLAG	Lab Report Number
5/11/2004	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5		571098

"0" = Non-detected result, laboratory detection limit unknown

Flag "D" = Field Duplicate Sample

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Appendix A
Granville Solvents
Water Quality Records for:
GSS-MW-13
Analysis Results

Sample Date	1,1,1-TCA µg/l	1,1-DCA µg/l	1,1-DCE µg/l	Cis-1,2-DCE µg/l	PCE µg/l	Trans-1,2-DCE µg/l	Toluene µg/l	TCE µg/l	Vinyl Chlor µg/l	FLAG	Lab Report Number
5/1/1996	0			0	0	0		0			
5/1/1997	0			0	0	0		0			
5/1/1998	0			0	0	0		0			
5/1/1999	0			0	0	0		0			
5/1/2000	0			0	0	0		0			
5/1/2001	0			0	0	0		0			
5/10/2004	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5		571105

"0" = Non-detected result, laboratory detection limit unknown

Flag "D" = Field Duplicate Sample

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Appendix A
Granville Solvents
Water Quality Records for:
GSS-MW-14
Analysis Results

Sample Date	1,1,1-TCA µg/l	1,1-DCA µg/l	1,1-DCE µg/l	Cis-1,2-DCE µg/l	PCE µg/l	Trans-1,2-DCE µg/l	Toluene µg/l	TCE µg/l	Vinyl Chlor µg/l	FLAG	Lab Report Number
2/3/2004	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5		559619
5/11/2004	<.5	<.5	<.5	<.5	<.5	<.5	.31	<.5	<.5		571112
8/4/2004	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5		581232
2/1/2005	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5		606881

"0" = Non-detected result, laboratory detection limit unknown

Flag "D" = Field Duplicate Sample

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Appendix A
Granville Solvents
Water Quality Records for:
GSS-MW-15
Analysis Results

Sample Date	1,1,1-TCA µg/l	1,1-DCA µg/l	1,1-DCE µg/l	Cis-1,2-DCE µg/l	PCE µg/l	Trans-1,2-DCE µg/l	Toluene µg/l	TCE µg/l	Vinyl Chlor µg/l	FLAG	Lab Report Number
9/9/2005	21	.92	<.24	6.1	6.2	<.45	<.22	25	<.28		680-8154-2
5/4/2006	19	<.5	<.5	4.1	7.2	<.5	<.5	22	<.5		680-16422-11
6/13/2006	19	1.7	<.5	6	13	<.5	<.5	23	<.5		680-17568-1
7/19/2006	18	2	<1	7.1	8.6	<.6	<1	24	<1		A6G210358005
5/16/2007	30	3.8	<.5	13	7.8	.74	<.5	37	<.5		680-27181-5
9/25/2007	33	1.6	<.5	9.9	12	.67	<.5	35	<.5		680-30607-8
9/25/2007	32	1.7	<.5	9.7	11	.64	<.5	36	<.5	D	680-30607-10
4/25/2008	35	5	<.5	17	11	1.2	<.5	41	<.5		680-36272-6
9/4/2008	37	4.2	<.24	19	12	1.2	<.21	47	<.29		680-40224-5
3/30/2009	30	1.4	<.5	8.7	9.1	.67	<.5	35	<.5	D	680-46033-3

"0" = Non-detected result, laboratory detection limit unknown

Flag "D" = Field Duplicate Sample

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Appendix A
Granville Solvents
Water Quality Records for:
GSS-MW-15
Analysis Results

Sample Date	1,1,1-TCA µg/l	1,1-DCA µg/l	1,1-DCE µg/l	Cis-1,2-DCE µg/l	PCE µg/l	Trans-1,2-DCE µg/l	Toluene µg/l	TCE µg/l	Vinyl Chlor µg/l	FLAG	Lab Report Number
3/30/2009	30	1.4	<.5	8.9	8.9	.61	<.5	35	<.5		680-46033-7
9/15/2009	31	1.2	<.32	11	25	.7	<.23	38	<.33	D	A9I160247-10
9/15/2009	30	1.2	<.32	11	26	.72	<.23	38	<.33		A9I160247-6

"0" = Non-detected result, laboratory detection limit unknown

Flag "D" = Field Duplicate Sample

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Appendix A
Granville Solvents
Water Quality Records for:
MW-01
Analysis Results

Sample Date	1,1,1-TCA µg/l	1,1-DCA µg/l	1,1-DCE µg/l	Cis-1,2-DCE µg/l	PCE µg/l	Trans-1,2-DCE µg/l	Toluene µg/l	TCE µg/l	Vinyl Chlor µg/l	FLAG	Lab Report Number
5/1/1996	450			0	74	0		230			
5/1/1997	280			0	33	0		100			
5/1/1998	300			0	190	0		210			
5/1/1999	270			0	40	0		140			
5/1/2000	280			0	34	0		140			
5/15/2000	280	< 6.9	< 6.9	< 6.9	34	< 6.9	< 6.9	140	< 6.9		
5/1/2001	290			0	28	5.5		110			
5/6/2003	120	< 1.4	< 1.4	< 1.4	18	< 1.4	< 1.4	53	< 1.4		
5/10/2004	140	< 3	< 3	< 3	14	< 3	< 3	40	< 3		571106

"0" = Non-detected result, laboratory detection limit unknown

Flag "D" = Field Duplicate Sample

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Appendix A
Granville Solvents
Water Quality Records for:
MW-02D
Analysis Results

Sample Date	1,1,1-TCA µg/l	1,1-DCA µg/l	1,1-DCE µg/l	Cis-1,2-DCE µg/l	PCE µg/l	Trans-1,2-DCE µg/l	Toluene µg/l	TCE µg/l	Vinyl Chlor µg/l	FLAG	Lab Report Number
5/1/1996	350			250	430	0		590			
5/1/1997	250			140	390	0		450			
5/1/1998	220			110	400	0		380			
5/1/1999	120			40	190	0		220			
5/1/2000	120			42	210	0		220			
5/1/2001	93			38	230	0		170			
5/6/2003	40	< 2.2	< 2.2	9.8	130	< 2.2	< 2.2	90	< 2.2		
5/10/2004	17	< 1.7	< 1.7	6.6	68	< 1.7	< 1.7	34	< 1.7		571030D1
8/10/2005	36	< .88	< .96	17	110	< .84	< .88	59	< 1.1		680-6992-4
5/4/2006	31	< 2.5	< 2.5	16	51	< 2.5	< 2.5	63	< 2.5		680-16422-5

"0" = Non-detected result, laboratory detection limit unknown

Flag "D" = Field Duplicate Sample

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Appendix A
Granville Solvents
Water Quality Records for:
MW-02D
Analysis Results

Sample Date	1,1,1-TCA µg/l	1,1-DCA µg/l	1,1-DCE µg/l	Cis-1,2-DCE µg/l	PCE µg/l	Trans-1,2-DCE µg/l	Toluene µg/l	TCE µg/l	Vinyl Chlor µg/l	FLAG	Lab Report Number
7/20/2006	29	.97	< 2.2	15	69	< 1.3	< 2.2	60	< 2.2		A6G210358011
5/16/2007	71	3.2	.63	28	130	1.1	< .5	130	< .5		680-27181-2
9/25/2007	71	4.4	.41	28	150	1.5	< .5	120	< .5		680-30607-3
4/25/2008	81	6.1	< 2.5	38	140	1.7	< 2.5	150	< 2.5		680-36272-8
9/5/2008	120	12	1.3	48	180	2.1	< .21	190	< .29		680-40224-8
3/31/2009	98	9.3	2.9	1.7	150	2.5	< 2.5	180	< 2.5		680-46033-9
9/15/2009	110	9.9	1.1	43	150	2.6	< .23	220	< .33		A9I160247-8

"0" = Non-detected result, laboratory detection limit unknown

Flag "D" = Field Duplicate Sample

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Appendix A
Granville Solvents
Water Quality Records for:
MW-04D
Analysis Results

Sample Date	1,1,1-TCA µg/l	1,1-DCA µg/l	1,1-DCE µg/l	Cis-1,2-DCE µg/l	PCE µg/l	Trans-1,2-DCE µg/l	Toluene µg/l	TCE µg/l	Vinyl Chlor µg/l	FLAG	Lab Report Number
5/1/1996	110			150	110	0		280			
5/1/1997	170			97	66	0		440			
5/1/1998	220			77	130	0		680			
5/1/1999	100			59	64	0		360			
5/1/2000	170			33	92	0		600			
5/1/2001	68			93	510	0		320			
2/27/2002	45	16	< 3.2	49	36	< 3.2	< 3.2	150	7.9		
8/5/2002	40	11	< 4.6	33	63	< 4.6	< 4.6	150	3.6		
11/6/2002	130	37	< 6.4	< 6.4	59	< 6.4	< 6.4	340	8.4		
2/26/2003	35	6.4	< 3.2	48	40	< 3.2	< 3.2	120	18		

"0" = Non-detected result, laboratory detection limit unknown

Flag "D" = Field Duplicate Sample

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Appendix A
Granville Solvents
Water Quality Records for:
MW-04D
Analysis Results

Sample Date	1,1,1-TCA µg/l	1,1-DCA µg/l	1,1-DCE µg/l	Cis-1,2-DCE µg/l	PCE µg/l	Trans-1,2-DCE µg/l	Toluene µg/l	TCE µg/l	Vinyl Chlor µg/l	FLAG	Lab Report Number
5/6/2003	59	18	< 4.8	32	59	< 4.8	< 4.8	190	9.3		
8/27/2003	42	13	< 3.4	47	45	1.5	< 3.4	120	12		
5/10/2004	23	8.2	< 1.2	26	41	.79	< 1.2	73	3.5		571029
8/10/2005	43	14	< .96	3.7	72	< .84	< .88	130	< 1.1		680-6992-1
5/4/2006	38	14	< 2.5	< 2.5	54	< 2.5	< 2.5	100	< 2.5		680-16422-4
5/4/2006											680-16422-7
5/4/2006	46	15	< 2.5	< 2.5	56	< 2.5	< 2.5	110	< 2.5	D	680-16422-7
7/19/2006	59	23	< 6.2	< 6.2	83	< 3.8	< 6.2	150	< 6.2		A6G210358001
5/16/2007	44	15	.74	15	64	.83	< .5	110	< .5		680-27181-3
5/16/2007	42	15	.68	15	58	.75	< .5	99	< .5	D	680-27181-4

"0" = Non-detected result, laboratory detection limit unknown

Flag "D" = Field Duplicate Sample

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Appendix A
Granville Solvents
Water Quality Records for:
MW-04D
Analysis Results

Sample Date	1,1,1-TCA µg/l	1,1-DCA µg/l	1,1-DCE µg/l	Cis-1,2-DCE µg/l	PCE µg/l	Trans-1,2-DCE µg/l	Toluene µg/l	TCE µg/l	Vinyl Chlor µg/l	FLAG	Lab Report Number
9/25/2007	130	44	1.6	9.4	120	.48	<.5	270	<.5		680-30607-1
4/25/2008	28	5.7	.33	7.7	56	.43	<.5	51	<.5		680-36272-11
9/5/2008	28	6.3	.28	13	64	.71	<.21	65	<.29		680-40224-10
3/31/2009	40	8.4	.81	<.5	64	.75	<.5	91	<.5		680-46033-11
9/15/2009	64	10	.48	16	90	.9	<.23	180	<.33		A9II160247-9

"0" = Non-detected result, laboratory detection limit unknown

Flag "D" = Field Duplicate Sample

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Appendix A
Granville Solvents
Water Quality Records for:
MW-04D2
Analysis Results

Sample Date	1,1,1-TCA µg/l	1,1-DCA µg/l	1,1-DCE µg/l	Cis-1,2-DCE µg/l	PCE µg/l	Trans-1,2-DCE µg/l	Toluene µg/l	TCE µg/l	Vinyl Chlor µg/l	FLAG	Lab Report Number
5/1/1996	0			0	0	0		0			
5/1/1997	0			0	.92	0		0			
5/1/1998	0			0	.56	0		0			
5/1/1999	0			0	0	0		0			
5/1/2000	0			0	0	0		0			
5/1/2001	0			0	.26	0		0			
5/10/2004	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5		571101

"0" = Non-detected result, laboratory detection limit unknown

Flag "D" = Field Duplicate Sample

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Appendix A
Granville Solvents
Water Quality Records for:
MW-05
Analysis Results

Sample Date	1,1,1-TCA µg/l	1,1-DCA µg/l	1,1-DCE µg/l	Cis-1,2-DCE µg/l	PCE µg/l	Trans-1,2-DCE µg/l	Toluene µg/l	TCE µg/l	Vinyl Chlor µg/l	FLAG	Lab Report Number
5/1/1996	.8			0	0	0		0			
5/1/1997	0			0	0	0		0			
5/1/1998	.68			0	0	0		0			
5/1/1999	.63			0	0	0		0			
5/1/2000	0			0	0	0		0			
5/1/2001	1.7			0	0	0		0			
5/10/2004	.7	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5		571107

"0" = Non-detected result, laboratory detection limit unknown

Flag "D" = Field Duplicate Sample

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Appendix A
Granville Solvents
Water Quality Records for:
MW-06
Analysis Results

Sample Date	1,1,1-TCA µg/l	1,1-DCA µg/l	1,1-DCE µg/l	Cis-1,2-DCE µg/l	PCE µg/l	Trans-1,2-DCE µg/l	Toluene µg/l	TCE µg/l	Vinyl Chlor µg/l	FLAG	Lab Report Number
5/1/1996	380			0	0	0		78			
5/1/1997	430			0	0	0		47			
5/1/1998	370			0	0	0		36			
5/1/1999	330			0	0	0		23			
5/1/2000	320			0	0	0		26			
5/1/2001	340			0	0	0		31			
5/5/2003	200	< 4.8	< 4.8	< 4.8	< 4.8	< 4.8	< 4.8	20	< 4.8		
5/10/2004	180	< 5.5	< 5.5	< 5.5	< 5.5	< 5.5	< 5.5	10	< 5.5		571024D1
8/10/2005	130	< 2.2	< 2.4	< 2.4	< 2.6	< 2.1	< 2.2	7.8	< 2.8		680-6992-5
5/4/2006	130	< 2.5	< 2.5	< 2.5	2.8	< 2.5	< 2.5	12	< 2.5		680-16422-6

"0" = Non-detected result, laboratory detection limit unknown

Flag "D" = Field Duplicate Sample

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Appendix A
Granville Solvents
Water Quality Records for:
MW-06
Analysis Results

Sample Date	1,1,1-TCA µg/l	1,1-DCA µg/l	1,1-DCE µg/l	Cis-1,2-DCE µg/l	PCE µg/l	Trans-1,2-DCE µg/l	Toluene µg/l	TCE µg/l	Vinyl Chlor µg/l	FLAG	Lab Report Number
7/20/2006	170	< 2.5	< 6.2	< 6.2	< 6.2	< 3.8	< 6.2	10	< 6.2		A6G210358012
5/17/2007	220	< .5	.9	< .5	< .5	< .5	< .5	13	< .5		680-27181-12
9/25/2007	220	< .5	< .5	< .5	.62	< .5	< .5	17	< .5		680-30607-9
4/25/2008	180	< .5	.33	< .5	.61	< .5	< .5	16	< .5		680-36272-7
9/5/2008	180	< .23	.34	< .25	.62	< .22	< .21	16	< .29		680-40224-7
3/31/2009	180	< .5	< .5	< .5	.49	< .5	< .5	13	< .5		680-46033-8
9/15/2009	170	< .39	.41	< .37	.83	< .24	< .23	19	< .33		A9I160247-7

"0" = Non-detected result, laboratory detection limit unknown

Flag "D" = Field Duplicate Sample

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Appendix A
Granville Solvents
Water Quality Records for:
MW-07
Analysis Results

Sample Date	1,1,1-TCA µg/l	1,1-DCA µg/l	1,1-DCE µg/l	Cis-1,2-DCE µg/l	PCE µg/l	Trans-1,2-DCE µg/l	Toluene µg/l	TCE µg/l	Vinyl Chlor µg/l	FLAG	Lab Report Number
5/4/2006	<.5	<.5	<.5	<.5	1.6	<.5	<.5	<.5	<.5		680-16422-8
5/17/2007	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5		680-27181-10

"0" = Non-detected result, laboratory detection limit unknown

Flag "D" = Field Duplicate Sample

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Appendix A
Granville Solvents
Water Quality Records for:
MW-07D
Analysis Results

Sample Date	1,1,1-TCA µg/l	1,1-DCA µg/l	1,1-DCE µg/l	Cis-1,2-DCE µg/l	PCE µg/l	Trans-1,2-DCE µg/l	Toluene µg/l	TCE µg/l	Vinyl Chlor µg/l	FLAG	Lab Report Number
5/15/2000	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5		
5/5/2003	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5		
5/10/2004	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5		571025
8/10/2005	<.22	<.22	<.24	<.24	<.26	<.21	<.22	<.23	<.28		680-6992-6
5/4/2006	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5		680-16422-9
7/19/2006	<.8	<.4	<1	<1	<1	<.6	<1	<1	<1		A6G210358004
5/17/2007	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5		680-27181-11
9/25/2007	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5		680-30607-5
4/25/2008	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5		680-36272-4
9/4/2008	<.16	<.23	<.24	<.25	<.22	<.22	<.21	<.2	<.29		680-40224-4

"0" = Non-detected result, laboratory detection limit unknown

Flag "D" = Field Duplicate Sample

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Appendix A
Granville Solvents
Water Quality Records for:
MW-07D
Analysis Results

Sample Date	1,1,1-TCA µg/l	1,1-DCA µg/l	1,1-DCE µg/l	Cis-1,2-DCE µg/l	PCE µg/l	Trans-1,2-DCE µg/l	Toluene µg/l	TCE µg/l	Vinyl Chlor µg/l	FLAG	Lab Report Number
3/30/2009	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5		680-46033-4
9/14/2009	<.27	<.39	<.32	<.37	<.3	<.24	<.23	<.37	<.33		A9II160247-2

"0" = Non-detected result, laboratory detection limit unknown

Flag "D" = Field Duplicate Sample

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Appendix A
Granville Solvents
Water Quality Records for:
MW-08
Analysis Results

Sample Date	1,1,1-TCA µg/l	1,1-DCA µg/l	1,1-DCE µg/l	Cis-1,2-DCE µg/l	PCE µg/l	Trans-1,2-DCE µg/l	Toluene µg/l	TCE µg/l	Vinyl Chlor µg/l	FLAG	Lab Report Number
2/2/2000	<.96	5.4	<.96	85	<.96	9.9	<.96	<.96	<.96		
5/15/2000	<2	5.4	<2	99	<2	10	<2	<2	<2		
8/21/2000	<1.9	4.2	<1.9	75	<1.9	8.3	<1.9	<1.9	<1.9		
11/7/2000	<.5	4.2	<.5	76	<.5	8.2	<.5	<.5	<.5		
2/27/2002	<2.2	4	<2.2	68	<2.2	6.9	<2.2	<2.2	<2.2		
8/5/2002	<2.2	3.7	<2.2	60	<2.2	5	<2.2	<2.2	<2.2		
11/5/2002	<1.5	3.7	<1.5	67	<1.5	6.8	<1.5	<1.5	<1.5		
2/26/2003	<1.8	4.3	<1.8	77	<1.8	7.8	<1.8	<1.8	<1.8		
5/5/2003	<1.8	4.2	<1.8	69	<1.8	7	<1.8	<1.8	<1.8		
8/27/2003	<1.2	3.5	<1.2	56	<1.2	6.4	<1.2	<1.2	<1.2		

"0" = Non-detected result, laboratory detection limit unknown

Flag "D" = Field Duplicate Sample

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Appendix A
Granville Solvents
Water Quality Records for:
MW-08
Analysis Results

Sample Date	1,1,1-TCA µg/l	1,1-DCA µg/l	1,1-DCE µg/l	Cis-1,2-DCE µg/l	PCE µg/l	Trans-1,2-DCE µg/l	Toluene µg/l	TCE µg/l	Vinyl Chlor µg/l	FLAG	Lab Report Number
11/11/2003	< 1.8	4	< 1.8	74	< 1.8	7.2	< 1.8	< 1.8	< 1.8		
2/3/2004	< 1.2	3.2	< 1.2	53	< 1.2	4.8	< 1.2	< 1.2	< 1.2		559614
5/10/2004	< 1.2	2.8	< 1.2	46	< 1.2	4.3	< 1.2	< 1.2	< 1.2		571026D1
8/4/2004	< 1.8	4.1	< 1.8	70	< 1.8	7.2	< 1.8	< 1.8	< 1.8		581228
2/1/2005	< .5	1.5	< .5	24	< .5	2.1	< .5	< .5	< .5		606876
8/11/2005	< .44	2.7	< .48	36	< .52	3.6	< .44	< .46	< .56		680-6992-8
5/4/2006	< .5	2.9	< .5	45	< .5	4.7	< .5	< .5	< .5		680-16422-10
7/20/2006	< .8	1.9	< 1	28	< 1	3.1	< 1	< 1	< 1		A6G210358010
5/16/2007	< .5	1.9	< .5	26	< .5	2.3	< .5	< .5	< .5		680-27181-6
9/25/2007	< .5	5.2	< .5	73	< .5	9.3	< .5	< .5	< .5		680-30607-7

"0" = Non-detected result, laboratory detection limit unknown

Flag "D" = Field Duplicate Sample

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Appendix A
Granville Solvents
Water Quality Records for:
MW-08
Analysis Results

Sample Date	1,1,1-TCA µg/l	1,1-DCA µg/l	1,1-DCE µg/l	Cis-1,2-DCE µg/l	PCE µg/l	Trans-1,2-DCE µg/l	Toluene µg/l	TCE µg/l	Vinyl Chlor µg/l	FLAG	Lab Report Number
4/25/2008	< 1	< 1	< 1	24	< 1	2.6	< 1	< 1	< 1		680-36272-5
9/4/2008	< .16	2.5	< .24	34	< .22	3.7	< .21	< .2	< .29		680-40224-2
9/4/2008	< .16	2.5	< .24	34	< .22	3.8	< .21	< .2	< .29	D	680-40224-3
3/30/2009	< .5	2.8	< .5	40	< .5	5.1	< .5	< .5	< .5		680-46033-6
9/14/2009	< .27	3.6	< .32	68	< .3	8.9	< .23	< .37	< .33		A9I160247-4

"0" = Non-detected result, laboratory detection limit unknown

Flag "D" = Field Duplicate Sample

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Appendix A
Granville Solvents
Water Quality Records for:

MW-P1

Analysis Results

Sample Date	1,1,1-TCA µg/l	1,1-DCA µg/l	1,1-DCE µg/l	Cis-1,2-DCE µg/l	PCE µg/l	Trans-1,2-DCE µg/l	Toluene µg/l	TCE µg/l	Vinyl Chlor µg/l	FLAG	Lab Report Number
5/1/1996	720			0	540	0		1400			
5/1/1997	460			0	340	0		730			
5/1/1998	380			0	370	0		550			
5/1/1999	350			0	170	0		380			
5/1/2000	300			0	160	0		420			
5/1/2001	300			0	180	0		330			
2/27/2002	150	< 3.2	< 3.2	< 3.2	94	< 3.2	< 3.2	150	< 3.2		
8/5/2002	130	< 6.4	< 6.4	< 6.4	100	< 6.4	< 6.4	120	< 6.4		
11/6/2002	82	< 2.6	< 2.6	< 2.6	120	< 2.6	< 2.6	110	< 2.6		
2/26/2003	86	< 2.6	< 2.6	< 2.6	100	< 2.6	< 2.6	88	< 2.6		

"0" = Non-detected result, laboratory detection limit unknown

Flag "D" = Field Duplicate Sample

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Appendix A
Granville Solvents
Water Quality Records for:
MW-P1
Analysis Results

Sample Date	1,1,1-TCA µg/l	1,1-DCA µg/l	1,1-DCE µg/l	Cis-1,2-DCE µg/l	PCE µg/l	Trans-1,2-DCE µg/l	Toluene µg/l	TCE µg/l	Vinyl Chlor µg/l	FLAG	Lab Report Number
5/6/2003	100	< 4.7	< 4.7	< 4.7	100	< 4.7	< 4.7	88	< 4.7		
8/27/2003	60	< 3	< 3	< 3	110	< 3	< 3	56	< 3		
5/10/2004	160	< 3.8	< 3.8	< 3.8	53	< 3.8	< 3.8	55	< 3.8		571027
8/10/2005	60	< .44	< .48	< .48	60	< .42	< .44	41	< .56		680-6992-2
8/10/2005	69	< .44	< .48	< .48	69	< .42	< .44	47	< .56	D	680-6992-3
5/4/2006	38	< .5	< .5	< .5	45	< .5	< .5	36	< .5		680-16422-3
7/19/2006	35	< .4	< 1	< 1	43	< .6	< 1	32	< 1		A6G210358002
7/19/2006	36	< .4	< 1	< 1	45	< .6	< 1	32	< 1	D	A6G210358003
5/16/2007	39	< .5	< .5	< .5	50	< .5	< .5	36	< .5		680-27181-1
9/25/2007	55	< .5	< .5	< .5	88	< .5	< .5	42	< .5		680-30607-2

"0" = Non-detected result, laboratory detection limit unknown

Flag "D" = Field Duplicate Sample

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Appendix A
Granville Solvents
Water Quality Records for:
MW-P1
Analysis Results

Sample Date	1,1,1-TCA µg/l	1,1-DCA µg/l	1,1-DCE µg/l	Cis-1,2-DCE µg/l	PCE µg/l	Trans-1,2-DCE µg/l	Toluene µg/l	TCE µg/l	Vinyl Chlor µg/l	FLAG	Lab Report Number
4/25/2008	17	<.5	<.5	2.5	28	<.5	<.5	26	<.5	D	680-36272-10
4/25/2008	12	<1	<1	2.3	19	<1	<1	21	<1		680-36272-9
9/5/2008	27	<.23	<.24	1.3	42	<.22	<.21	32	<.29		680-40224-9
3/31/2009	22	<.5	.38	<.5	41	.33	<.5	27	<.5		680-46033-10
9/14/2009	31	<.39	<.32	1.5	67	<.24	<.23	38	<.33		A9II160247-5

"0" = Non-detected result, laboratory detection limit unknown

Flag "D" = Field Duplicate Sample

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Appendix A
Granville Solvents
Water Quality Records for:
SS-01
Analysis Results

Sample Date	1,1,1-TCA µg/l	1,1-DCA µg/l	1,1-DCE µg/l	Cis-1,2-DCE µg/l	PCE µg/l	Trans-1,2-DCE µg/l	Toluene µg/l	TCE µg/l	Vinyl Chlor µg/l	FLAG	Lab Report Number
5/14/2007	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1		A7E180330001

"0" = Non-detected result, laboratory detection limit unknown

Flag "D" = Field Duplicate Sample

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Appendix A
Granville Solvents
Water Quality Records for:
SS-02
Analysis Results

Sample Date	1,1,1-TCA µg/l	1,1-DCA µg/l	1,1-DCE µg/l	Cis-1,2-DCE µg/l	PCE µg/l	Trans-1,2-DCE µg/l	Toluene µg/l	TCE µg/l	Vinyl Chlor µg/l	FLAG	Lab Report Number
5/14/2007	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1		A7E180330002

"0" = Non-detected result, laboratory detection limit unknown

Flag "D" = Field Duplicate Sample

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Appendix A
Granville Solvents
Water Quality Records for:
SS-03
Analysis Results

Sample Date	1,1,1-TCA µg/l	1,1-DCA µg/l	1,1-DCE µg/l	Cis-1,2-DCE µg/l	PCE µg/l	Trans-1,2-DCE µg/l	Toluene µg/l	TCE µg/l	Vinyl Chlor µg/l	FLAG	Lab Report Number
5/16/2007	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1		A7E180330003

"0" = Non-detected result, laboratory detection limit unknown

Flag "D" = Field Duplicate Sample

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Appendix A
Granville Solvents
Water Quality Records for:
VE-02
Analysis Results

Sample Date	1,1,1-TCA µg/l	1,1-DCA µg/l	1,1-DCE µg/l	Cis-1,2-DCE µg/l	PCE µg/l	Trans-1,2-DCE µg/l	Toluene µg/l	TCE µg/l	Vinyl Chlor µg/l	FLAG	Lab Report Number
7/25/2001	480	< 270	< 270	< 270	2800	< 270	< 270	3500	< 270		A1G270150009

"0" = Non-detected result, laboratory detection limit unknown

Flag "D" = Field Duplicate Sample

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Appendix A
Granville Solvents
Water Quality Records for:
VE-03
Analysis Results

Sample Date	1,1,1-TCA µg/l	1,1-DCA µg/l	1,1-DCE µg/l	Cis-1,2-DCE µg/l	PCE µg/l	Trans-1,2-DCE µg/l	Toluene µg/l	TCE µg/l	Vinyl Chlor µg/l	FLAG	Lab Report Number
7/27/2001	360	< 260	< 260	< 260	4300	< 260	< 260	1200	< 260		A1G310114002

"0" = Non-detected result, laboratory detection limit unknown

Flag "D" = Field Duplicate Sample

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Appendix A
Granville Solvents
Water Quality Records for:
VE-04
Analysis Results

Sample Date	1,1,1-TCA µg/l	1,1-DCA µg/l	1,1-DCE µg/l	Cis-1,2-DCE µg/l	PCE µg/l	Trans-1,2-DCE µg/l	Toluene µg/l	TCE µg/l	Vinyl Chlor µg/l	FLAG	Lab Report Number
7/24/2001	< 270	< 270	< 270	< 270	4700	< 270	< 270	380	< 270		A1G270150006

"0" = Non-detected result, laboratory detection limit unknown

Flag "D" = Field Duplicate Sample

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Appendix A
Granville Solvents
Water Quality Records for:
VE-05
Analysis Results

Sample Date	1,1,1-TCA µg/l	1,1-DCA µg/l	1,1-DCE µg/l	Cis-1,2-DCE µg/l	PCE µg/l	Trans-1,2-DCE µg/l	Toluene µg/l	TCE µg/l	Vinyl Chlor µg/l	FLAG	Lab Report Number
7/25/2001	17000	< 270	< 270	< 270	< 270	< 270	< 270	14000	< 270		A1G270150008

"0" = Non-detected result, laboratory detection limit unknown

Flag "D" = Field Duplicate Sample

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Appendix A
Granville Solvents
Water Quality Records for:
VE-06
Analysis Results

Sample Date	1,1,1-TCA µg/l	1,1-DCA µg/l	1,1-DCE µg/l	Cis-1,2-DCE µg/l	PCE µg/l	Trans-1,2-DCE µg/l	Toluene µg/l	TCE µg/l	Vinyl Chlor µg/l	FLAG	Lab Report Number
7/25/2001	< 280	< 280	< 280	< 280	3000	< 280	< 280	2400	< 280		A1G270150007

"0" = Non-detected result, laboratory detection limit unknown

Flag "D" = Field Duplicate Sample

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Appendix A
Granville Solvents
Water Quality Records for:
VE-07
Analysis Results

Sample Date	1,1,1-TCA µg/l	1,1-DCA µg/l	1,1-DCE µg/l	Cis-1,2-DCE µg/l	PCE µg/l	Trans-1,2-DCE µg/l	Toluene µg/l	TCE µg/l	Vinyl Chlor µg/l	FLAG	Lab Report Number
7/24/2001	< 280	< 280	< 280	< 280	31000	< 280	< 280	340	< 280		A1G270150001

"0" = Non-detected result, laboratory detection limit unknown

Flag "D" = Field Duplicate Sample

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Appendix B
Groundwater Potentiometric Surface Records

Appendix B
Granville Solvents
Well Level Records for:
EW-02

Sample Date	Measuring Point Elevation	Depth to Water	Groundwater Elevation
8/10/2005	915.38	17.61	897.77
11/2/2005	915.38	17.58	897.8
2/8/2006	915.38	15.81	899.57
4/26/2006	915.38	16.6	898.78
7/14/2006	915.38	15.55	899.83
1/17/2007	915.38	13.14	902.24
5/16/2007	915.38	15.61	899.77
9/26/2007	915.38	18.91	896.47
5/9/2008	915.38	15.22	900.16
9/4/2008	915.38	17.18	898.2
3/30/2009	915.38	16.05	899.33
9/14/2009	915.38	18.96	896.42

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Appendix B
Granville Solvents
Well Level Records for:
GSS-EW-01

Sample Date	Measuring Point Elevation	Depth to Water	Groundwater Elevation
8/10/2005	915.19	17.46	897.73
11/2/2005	915.19	17.46	897.73
2/8/2006	915.19	15.65	899.54
4/26/2006	915.19	16.9	898.29
7/14/2006	915.19	15.45	899.74
1/17/2007	915.19	12.68	902.51
5/16/2007	915.19	15.48	899.71
9/26/2007	915.19	18.83	896.36
5/9/2008	915.19	15.05	900.14
9/4/2008	915.19	17.05	898.14
3/30/2009	915.19	15.86	899.33
9/14/2009	915.19	19.08	896.11

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Appendix B
Granville Solvents
Well Level Records for:
GSS-MW-02

Sample Date	Measuring Point Elevation	Depth to Water	Groundwater Elevation
8/11/2005	910.48	12.82	897.66
11/2/2005	910.48	12.75	897.73
2/8/2006	910.48	7.26	903.22
4/26/2006	910.48	12.18	898.3
7/14/2006	910.48	10.77	899.71
9/14/2006	910.48	13.61	896.87
1/17/2007	910.48	8.06	902.42
5/16/2007	910.48	10.75	899.73
9/26/2007	910.48	14.13	896.35
5/9/2008	910.48	10.32	900.16
9/4/2008	910.48	12.38	898.1
3/30/2009	910.48	11.1	899.38
9/14/2009	910.48	14.39	896.09

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Appendix B
Granville Solvents
Well Level Records for:
GSS-MW-04

Sample Date	Measuring Point Elevation	Depth to Water	Groundwater Elevation
8/10/2005	924.57	26.69	897.88
11/2/2005	924.57	26.71	897.86
2/8/2006	924.57	24.94	899.63
4/26/2006	924.57	25.57	899
7/14/2006	924.57	24.8	899.77
9/14/2006	924.57	26.93	897.64
1/17/2007	924.57	22.41	902.16
5/16/2007	924.57	24.7	899.87
9/26/2007	924.57	27.96	896.61
5/9/2008	924.57	24.28	900.29
9/4/2008	924.57	26.25	898.32
3/30/2009	924.57	25.22	899.35
9/14/2009	924.57	27.94	896.63

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Appendix B
Granville Solvents
Well Level Records for:
GSS-MW-05

Sample Date	Measuring Point Elevation	Depth to Water	Groundwater Elevation
8/11/2005	958.95	61.3	897.65
11/2/2005	958.95	61.31	897.64
2/8/2006	958.95	59.51	899.44
4/26/2006	958.95	60.31	898.64
7/14/2006	958.95	59.32	899.63
9/14/2006	958.95	61.62	897.33
1/17/2007	958.95	56.72	902.23
5/16/2007	958.95	59.27	899.68
9/26/2007	958.95	62.58	896.37
5/9/2008	958.95	58.88	900.07
9/4/2008	958.95	60.81	898.14
3/30/2009	958.95	59.73	899.22
9/14/2009	958.95	62.64	896.31

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Appendix B
Granville Solvents
Well Level Records for:
GSS-MW-06

Sample Date	Measuring Point Elevation	Depth to Water	Groundwater Elevation
8/11/2005	960.98	60.86	900.12
11/2/2005	960.98	60.57	900.41
2/8/2006	960.98	58.7	902.28
4/26/2006	960.98	58.8	902.18
7/14/2006	960.98	58.55	902.43
9/14/2006	960.98	60.22	900.76
1/17/2007	960.98	56.33	904.65
5/16/2007	960.98	58.54	902.44
9/26/2007	960.98	61.92	899.06
5/9/2008	960.98	57.93	903.05
9/4/2008	960.98	60.05	900.93
3/30/2009	960.98	58.86	902.12

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Appendix B
Granville Solvents
Well Level Records for:
GSS-MW-08

Sample Date	Measuring Point Elevation	Depth to Water	Groundwater Elevation
8/11/2005	916.75	19.11	897.64
11/2/2005	916.75	19.05	897.7
2/8/2006	916.75	17.25	899.5
4/26/2006	916.75	18.67	898.08
7/14/2006	916.75	17.03	899.72
9/14/2006	916.75	20.2	896.55
1/17/2007	916.75	14.07	902.68
5/16/2007	916.75	16.88	899.87
9/25/2007	916.75	26.51	890.24
5/9/2008	916.75	16.57	900.18
9/4/2008	916.75	18.62	898.13
3/30/2009	916.75	17.33	899.42
9/14/2009	916.75	20.79	895.96

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Appendix B
Granville Solvents
Well Level Records for:
GSS-MW-09

Sample Date	Measuring Point Elevation	Depth to Water	Groundwater Elevation
8/10/2005	916.03	18.33	897.7
11/2/2005	916.03	18.34	897.69
2/8/2006	916.03	16.51	899.52
4/26/2006	916.03	17.94	898.09
7/14/2006	916.03	16.28	899.75
9/14/2006	916.03	19.51	896.52
1/17/2007	916.03	13.39	902.64
5/16/2007	916.03	16.2	899.83
9/25/2007	916.03	19.8	896.23
5/9/2008	916.03	15.8	900.23
9/4/2008	916.03	17.92	898.11
3/30/2009	916.03	16.6	899.43
9/14/2009	916.03	20.08	895.95

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Appendix B
Granville Solvents
Well Level Records for:
GSS-MW-10

Sample Date	Measuring Point Elevation	Depth to Water	Groundwater Elevation
8/10/2005	916.35	18.65	897.7
11/2/2005	916.35	18.67	897.68
2/8/2006	916.35	16.86	899.49
4/26/2006	916.35	18.35	898
7/14/2006	916.35	16.62	899.73
9/14/2006	916.35	19.95	896.4
1/17/2007	916.35	13.65	902.7
5/16/2007	916.35	16.51	899.84
9/26/2007	916.35	20.21	896.14
5/9/2008	916.35	16.18	900.17
9/4/2008	916.35	18.22	898.13
3/30/2009	916.35	16.96	899.39
9/14/2009	916.35	20.47	895.88

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Appendix B
Granville Solvents
Well Level Records for:
GSS-MW-12

Sample Date	Measuring Point Elevation	Depth to Water	Groundwater Elevation
8/10/2005	923.09	25.36	897.73
11/2/2005	923.09	25.38	897.71
2/8/2006	923.09	23.58	899.51
4/26/2006	923.09	24.4	898.69
7/14/2006	923.09	23.4	899.69
9/14/2006	923.09	25.76	897.33
1/17/2007	923.09	20.83	902.26
5/16/2007	923.09	23.38	899.71
9/26/2007	923.09	26.67	896.42
5/9/2008	923.09	23	900.09
9/4/2008	923.09	24.96	898.13
3/30/2009	923.09	23.8	899.29
9/14/2009	923.09	26.72	896.37

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Appendix B
Granville Solvents
Well Level Records for:
GSS-MW-13

Sample Date	Measuring Point Elevation	Depth to Water	Groundwater Elevation
11/2/2005	920.21	22.4	897.81
2/8/2006	920.21	20.62	899.59
4/26/2006	920.21	21.4	898.81
7/14/2006	920.21	20.47	899.74
9/14/2006	920.21	22.76	897.45
1/17/2007	920.21	17.96	902.25
5/16/2007	920.21	20.46	899.75
9/26/2007	920.21	23.73	896.48
5/9/2008	920.21	20.07	900.14
9/4/2008	920.21	22	898.21
3/30/2009	920.21	20.89	899.32
9/14/2009	920.21	23.76	896.45

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Appendix B
Granville Solvents
Well Level Records for:
GSS-MW-14

Sample Date	Measuring Point Elevation	Depth to Water	Groundwater Elevation
11/2/2005	906.56	9.03	897.53
2/8/2006	906.56	7.08	899.48
4/26/2006	906.56	8.49	898.07
9/14/2006	906.56	10.12	896.44
1/17/2007	906.56	3.85	902.71
5/16/2007	906.56	6.77	899.79
9/26/2007	906.56	10.45	896.11
5/9/2008	906.56	6.41	900.15
9/4/2008	906.56	8.58	897.98
3/30/2009	906.56	7.21	899.35
9/14/2009	906.56	10.79	895.77

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Appendix B
Granville Solvents
Well Level Records for:
GSS-MW-15

Sample Date	Measuring Point Elevation	Depth to Water	Groundwater Elevation
11/2/2005	920.07	21.92	898.15
2/8/2006	920.07	20.12	899.95
4/26/2006	920.07	21.07	899
7/14/2006	920.07	19.97	900.1
9/14/2006	920.07	22.46	897.61
1/17/2007	920.07	17.37	902.7
5/16/2007	920.07	19.95	900.12
9/25/2007	920.07	23.34	896.73
5/9/2008	920.07	19.55	900.52
9/4/2008	920.07	21.55	898.52
3/30/2009	920.07	20.38	899.69
9/14/2009	920.07	23.41	896.66

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Appendix B
Granville Solvents
Well Level Records for:
GSS-P1

Sample Date	Measuring Point Elevation	Depth to Water	Groundwater Elevation
8/10/2005		19.18	

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Appendix B
Granville Solvents
Well Level Records for:
GSS-P2

Sample Date	Measuring Point Elevation	Depth to Water	Groundwater Elevation
8/10/2005	913.27	15.59	897.68
11/2/2005	913.27	15.55	897.72
2/8/2006	913.27	13.76	899.51
4/26/2006	913.27	15.02	898.25
7/14/2006	913.27	13.55	899.72
9/14/2006	913.27	16.47	896.8
1/17/2007	913.27	10.77	902.5
5/16/2007	913.27	13.53	899.74
9/26/2007	913.27	16.97	896.3
5/9/2008	913.27	13.11	900.16
9/4/2008	913.27	15.19	898.08
3/30/2009	913.27	13.88	899.39
9/14/2009	913.27	17.2	896.07

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Appendix B
Granville Solvents
Well Level Records for:
GSS-P3

Sample Date	Measuring Point Elevation	Depth to Water	Groundwater Elevation
11/2/2005	905.53	7.84	897.69
2/8/2006	905.53	6.03	899.5
4/26/2006	905.53	7.59	897.94
7/14/2006	905.53	5.75	899.78
9/14/2006	905.53	9.19	896.34
1/17/2007	905.53	0	905.53
5/16/2007	905.53	5.49	900.04
9/26/2007	905.53	9.28	896.25
5/9/2008	905.53	5.29	900.24
9/4/2008	905.53	7.38	898.15
3/30/2009	905.53	6.05	899.48
9/14/2009	905.53	9.65	895.88

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Appendix B
Granville Solvents
Well Level Records for:
MW-01

Sample Date	Measuring Point Elevation	Depth to Water	Groundwater Elevation
8/10/2005	930.15	32.41	897.74
11/2/2005	930.15	32.41	897.74
2/8/2006	930.15	30.62	899.53
4/26/2006	930.15	31.37	898.78
7/14/2006	930.15	30.47	899.68
9/14/2006	930.15	32.4	897.75
1/17/2007	930.15	27.95	902.2
5/16/2007	930.15	30.41	899.74
9/25/2007	930.15	33.72	896.43
5/9/2008	930.15	30.05	900.1
9/4/2008	930.15	31.98	898.17
3/30/2009	930.15	30.88	899.27
9/14/2009	930.15	33.7	896.45

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Appendix B
Granville Solvents
Well Level Records for:
MW-02

Sample Date	Measuring Point Elevation	Depth to Water	Groundwater Elevation
8/10/2005	923.62	25.9	897.72
11/2/2005	923.62	25.86	897.76
2/8/2006	923.62	24.08	899.54
4/26/2006	923.62	24.91	898.71
7/14/2006	923.62	27.6	896.02
9/14/2006	923.62	26.27	897.35
1/17/2007	923.62	21.37	902.25
5/16/2007	923.62	23.91	899.71
9/25/2007	923.62	27.19	896.43
5/9/2008	923.62	23.53	900.09
9/4/2008	923.62	25.47	898.15
3/30/2009	923.62	24.33	899.29
9/14/2009	923.62	27.25	896.37

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Appendix B
Granville Solvents
Well Level Records for:
MW-02D

Sample Date	Measuring Point Elevation	Depth to Water	Groundwater Elevation
8/10/2005	924.1	26.33	897.77
11/2/2005	924.1	26.36	897.74
2/8/2006	924.1	24.57	899.53
4/26/2006	924.1	25.4	898.7
7/14/2006	924.1	24.41	899.69
9/14/2006	924.1	26.75	897.35
1/17/2007	924.1	21.82	902.28
5/16/2007	924.1	24.38	899.72
9/25/2007	924.1	27.67	896.43
5/9/2008	924.1	24.02	900.08
9/4/2008	924.1	25.96	898.14
3/30/2009	924.1	24.8	899.3
9/14/2009	924.1	27.7	896.4

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Appendix B
Granville Solvents
Well Level Records for:
MW-03

Sample Date	Measuring Point Elevation	Depth to Water	Groundwater Elevation
8/10/2005	917.21	5.66	911.55
11/2/2005	917.21	7.81	909.4
2/8/2006	917.21	4.79	912.42
7/14/2006	917.21	4.18	913.03
1/17/2007	917.21	3.76	913.45
9/26/2007	917.21	12.06	905.15
5/9/2008	917.21	4.51	912.7
9/4/2008	917.21	11.84	905.37
3/30/2009	917.21	4.56	912.65
9/14/2009	917.21	10.1	907.11

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Appendix B
Granville Solvents
Well Level Records for:
MW-04

Sample Date	Measuring Point Elevation	Depth to Water	Groundwater Elevation
8/10/2005		22.38	

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Appendix B
Granville Solvents
Well Level Records for:
MW-04D

Sample Date	Measuring Point Elevation	Depth to Water	Groundwater Elevation
8/10/2005	920.52	22.71	897.81
11/2/2005	920.52	22.4	898.12
2/8/2006	920.52	20.92	899.6
4/26/2006	920.52	22.71	897.81
7/14/2006	920.52	20.79	899.73
9/14/2006	920.52	23.05	897.47
1/17/2007	920.52	18.26	902.26
5/16/2007	920.52	20.79	899.73
9/25/2007	920.52	24.08	896.44
5/9/2008	920.52	20.44	900.08
9/4/2008	920.52	22.37	898.15
3/30/2009	920.52	21.25	899.27
9/14/2009	920.52	24.13	896.39

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Appendix B
Granville Solvents
Well Level Records for:
MW-04D2

Sample Date	Measuring Point Elevation	Depth to Water	Groundwater Elevation
8/10/2005	920.95	23.14	897.81
11/2/2005	920.95	23.13	897.82
2/8/2006	920.95	21.37	899.58
4/26/2006	920.95	22.14	898.81
7/14/2006	920.95	21.2	899.75
9/14/2006	920.95	23.51	897.44
1/17/2007	920.95	18.7	902.25
5/16/2007	920.95	21.16	899.79
9/26/2007	920.95	24.47	896.48
5/9/2008	920.95	20.8	900.15
9/4/2008	920.95	22.74	898.21
3/30/2009	920.95	21.62	899.33
9/14/2009	920.95	24.53	896.42

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Appendix B
Granville Solvents
Well Level Records for:

MW-05

Sample Date	Measuring Point Elevation	Depth to Water	Groundwater Elevation
8/10/2005	921.34	23.52	897.82
11/2/2005	921.34	23.49	897.85
2/8/2006	921.34	21.73	899.61
4/26/2006	921.34	22.45	898.89
7/14/2006	921.34	21.59	899.75
9/14/2006	921.34	23.77	897.57
1/17/2007	921.34	19.1	902.24
5/16/2007	921.34	21.52	899.82
9/26/2007	921.34	24.81	896.53
5/9/2008	921.34	21.14	900.2
9/4/2008	921.34	23.08	898.26
3/30/2009	921.34	21.98	899.36
9/14/2009	921.34	24.9	896.44

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Appendix B
Granville Solvents
Well Level Records for:
MW-06

Sample Date	Measuring Point Elevation	Depth to Water	Groundwater Elevation
8/10/2005	935.83	38.08	897.75
11/2/2005	935.83	38.08	897.75
2/8/2006	935.83	36.29	899.54
4/26/2006	935.83	37.11	898.72
7/14/2006	935.83	36.17	899.66
9/14/2006	935.83	38.47	897.36
1/17/2007	935.83	33.57	902.26
5/16/2007	935.83	36.11	899.72
9/25/2007	935.83	39.4	896.43
5/9/2008	935.83	35.9	899.93
9/4/2008	935.83	37.65	898.18
3/30/2009	935.83	36.53	899.3
9/14/2009	935.83	39.43	896.4

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Appendix B
Granville Solvents
Well Level Records for:
MW-06D

Sample Date	Measuring Point Elevation	Depth to Water	Groundwater Elevation
8/10/2005	936	38.26	897.74
11/2/2005	936	38.25	897.75
2/8/2006	936	36.44	899.56
4/26/2006	936	37.29	898.71
7/14/2006	936	36.29	899.71
9/14/2006	936	38.61	897.39
1/17/2007	936	33.71	902.29
5/16/2007	936	36.26	899.74
9/26/2007	936	39.56	896.44
5/9/2008	936	35.73	900.27
9/4/2008	936	37.81	898.19
3/30/2009	936	36.71	899.29
9/14/2009	936	39.63	896.37

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Appendix B
Granville Solvents
Well Level Records for:

MW-07

Sample Date	Measuring Point Elevation	Depth to Water	Groundwater Elevation
8/10/2005	917.71	19.94	897.77
11/2/2005	917.71	19.9	897.81
2/8/2006	917.71	18.12	899.59
4/26/2006	917.71	19.24	898.47
7/14/2006	917.71	17.94	899.77
1/17/2007	917.71	15.43	902.28
5/16/2007	917.71	18.03	899.68
9/26/2007	917.71	21.3	896.41
5/9/2008	917.71	17.59	900.12
9/4/2008	917.71	19.57	898.14
3/30/2009	917.71	18.36	899.35
9/14/2009	917.71	21.49	896.22

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Appendix B
Granville Solvents
Well Level Records for:
MW-07D

Sample Date	Measuring Point Elevation	Depth to Water	Groundwater Elevation
8/10/2005	917.81	20.06	897.75
11/2/2005	917.81	20.04	897.77
2/8/2006	917.81	18.25	899.56
4/26/2006	917.81	19.29	898.52
7/14/2006	917.81	18.09	899.72
9/14/2006	917.81	20.68	897.13
1/17/2007	917.81	15.37	902.44
5/16/2007	917.81	18.04	899.77
9/25/2007	917.81	21.43	896.38
5/9/2008	917.81	17.67	900.14
9/4/2008	917.81	19.67	898.14
3/30/2009	917.81	18.44	899.37
9/14/2009	917.81	21.58	896.23

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Appendix B
Granville Solvents
Well Level Records for:
MW-08

Sample Date	Measuring Point Elevation	Depth to Water	Groundwater Elevation
8/11/2005	927.97	30.29	897.68
11/2/2005	927.97	30.22	897.75
2/8/2006	927.97	28.4	899.57
4/26/2006	927.97	29.48	898.49
7/14/2006	927.97	28.45	899.52
1/17/2007	927.97	25.54	902.43
5/16/2007	927.97	28.23	899.74
9/25/2007	927.97	31.62	896.35
5/9/2008	927.97	27.85	900.12
9/4/2008	927.97	29.63	898.34
3/30/2009	927.97	28.63	899.34
9/14/2009	927.97	31.79	896.18

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Appendix B
Granville Solvents
Well Level Records for:
MW-08D

Sample Date	Measuring Point Elevation	Depth to Water	Groundwater Elevation
8/11/2005	927.75	30.06	897.69
11/2/2005	927.75	30.02	897.73
2/8/2006	927.75	28.22	899.53
4/26/2006	927.75	29.26	898.49
1/17/2007	927.75	25.31	902.44
5/16/2007	927.75	27.98	899.77
9/26/2007	927.75	31.4	896.35
5/9/2008	927.75	27.6	900.15
9/4/2008	927.75	29.59	898.16
3/30/2009	927.75	28.41	899.34
9/14/2009	927.75	31.58	896.17

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Appendix B
Granville Solvents
Well Level Records for:
MW-P1

Sample Date	Measuring Point Elevation	Depth to Water	Groundwater Elevation
8/10/2005	923.71	25.94	897.77
11/2/2005	923.71	25.97	897.74
2/8/2006	923.71	24.18	899.53
4/26/2006	923.71	24.97	898.74
7/14/2006	923.71	24.02	899.69
9/14/2006	923.71	26.3	897.41
1/17/2007	923.71	21.48	902.23
5/16/2007	923.71	23.98	899.73
9/25/2007	923.71	27.26	896.45
5/9/2008	923.71	23.59	900.12
9/4/2008	923.71	25.53	898.18
3/30/2009	923.71	24.41	899.3
9/14/2009	923.71	27.31	896.4

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Appendix B
Granville Solvents
Well Level Records for:
PW-01

Sample Date	Measuring Point Elevation	Depth to Water	Groundwater Elevation
11/2/2005	909.06	11.31	897.75
2/8/2006	909.06	9.22	899.84
4/26/2006	909.06	11.2	897.86
7/14/2006	909.06	8.95	900.11
1/17/2007	909.06	6.15	902.91
5/16/2007	909.06	10.45	898.61
9/26/2007	909.06	12.47	896.59
5/9/2008	909.06	8.69	900.37
9/4/2008	909.06	10.58	898.48
3/30/2009	909.06	9.25	899.81
9/14/2009	909.06	13.1	895.96

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Appendix B
Granville Solvents
Well Level Records for:
PW-02

Sample Date	Measuring Point Elevation	Depth to Water	Groundwater Elevation
11/2/2005	908.95	11.45	897.5
2/8/2006	908.95	9.8	899.15
4/26/2006	908.95	27.58	881.37
1/17/2007	908.95	7.48	901.47
5/16/2007	908.95	10.62	898.33
9/26/2007	908.95	14.36	894.59
5/9/2008	908.95	10.13	898.82
9/4/2008	908.95	12.31	896.64
3/30/2009	908.95	10.84	898.11
9/14/2009	908.95	15.09	893.86

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Appendix B
Granville Solvents
Well Level Records for:
PW-03

Sample Date	Measuring Point Elevation	Depth to Water	Groundwater Elevation
11/2/2005	910.27	13.85	896.42
2/8/2006	910.27	20.84	889.43
4/26/2006	910.27	11.11	899.16
1/17/2007	910.27	8.16	902.11
5/16/2007	910.27	26.95	883.32
9/26/2007	910.27	15.27	895
5/9/2008	910.27	10.76	899.51
9/4/2008	910.27	13.25	897.02
3/30/2009	910.27	11.63	898.64
9/14/2009	910.27	27.39	882.88

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Appendix B
Granville Solvents
Well Level Records for:

PW-04

Sample Date	Measuring Point Elevation	Depth to Water	Groundwater Elevation
11/2/2005	910.59	29.34	881.25
2/8/2006	910.59	10.66	899.93
4/26/2006	910.59	9.93	900.66
1/17/2007	910.59	22.98	887.61
5/16/2007	910.59	9.05	901.54
9/26/2007	910.59	31.18	879.41
5/9/2008	910.59	27.67	882.92
9/4/2008	910.59	32.86	877.73
3/30/2009	910.59	31.15	879.44
9/14/2009	910.59	15.5	895.09

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Appendix B
Granville Solvents
Well Level Records for:

River

Sample Date	Measuring Point Elevation	Depth to Water	Groundwater Elevation
4/26/2006	904.76	4.34	900.42
5/16/2007	904.76	5.56	899.2
9/26/2007	904.76	5.92	898.84
5/9/2008	904.76	3.95	900.81
9/5/2008	904.76	11.3	893.46
3/30/2009	904.76	5.9	898.86
9/14/2009	904.76	5.77	898.99

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Appendix C
Analytical Data Collected In 2009

Quality Assurance Data Review

SDG No. A9D010153

Qualifiers in EDD

EDD Review

EDD In Site DB

SR 4/20/09
LC 4/22/09
SM 4/22/09

Project Name: Granville Solvents

Sampling Date: 3/30/09 - 3/31/09

Review Date: 4/20/09

Laboratory: Test America

Reviewer Signature: James A Moppo

Review Item	Matrix	Acceptable	Comments / Qualifications
Compare Chain of Custody to Data Received	Soil / Sed/ Air		
	GW / SW / Other	✓	
Sample Hold Times	Soil / Sed/ Air		
	GW / SW / Other	✓	
Trip Blank	VOCs only		TB contained reportable results for chloroform ①
Sample Reporting Limits	Soil / Sed/ Air		
	GW / SW / Other	✓	
Surrogate Compound Recoveries for Organic Analyses	Soil / Sed/ Air		
	GW / SW / Other	✓	
Method Blank	Soil / Sed/ Air		
	GW / SW / Other	✓	
Laboratory Control Sample Recoveries	Soil / Sed/ Air		
	GW / SW / Other	✓	
Matrix Spike/Spike Duplicate Recoveries and RPDs	Soil / Sed/ Air		MS/MSD recoveries for several analytes outside % Rec acceptance limits, blank sample
	GW / SW / Other		and MS/MSD required a 5x dilution ②
Duplicate Sample Relative Percent Difference	Soil / Sed/ Air		Dup #1 is a blind dup of GSS MLW-15
	GW / SW / Other	✓	
Initial and Continuing Calibration	Soil / Sed/ Air		
	GW / SW / Other	✓	
TICS	Any		NA

Additional Comments:

① Qualifications marked accordingly

② LCS/LCSD OK - 120 qualifications based on professional judgement

NA = Not Applicable

NR = Not Reported

NSS = Not a Site Sample, lab batch QC used

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratories, Inc.

ANALYTICAL REPORT

GRANVILLE SOLVENTS

Lot #: A9D010153

James Moore

**Sharp & Associates
756 Park Meadow Road
Westerville, OH 43081-2871**

TESTAMERICA LABORATORIES, INC.



**Nathan Pietras
Project Manager
nathan.pietras@testamericainc.com**

Approved for release.
Nathan Pietras
Project Manager
4/18/2009 8:21 AM

April 15, 2009



CASE NARRATIVE

A9D010153

The following report contains the analytical results for eleven water samples and one quality control sample submitted to TestAmerica North Canton by Los Alamos Technical Associates Inc. from the Granville Solvents Site. The samples were received April 01, 2009, according to documented sample acceptance procedures.

The 524.1 DW VOC analysis was performed at the TestAmerica Savannah laboratory.

TestAmerica utilizes USEPA approved methods in all analytical work. The samples presented in this report were analyzed for the parameter(s) listed on the analytical methods summary page in accordance with the method(s) indicated. Preliminary results were provided to James Moore and Kellie Carmichael on April 02, 2009. A summary of QC data for these analyses is included at the back of the report.

TestAmerica North Canton attests to the validity of the laboratory data generated by TestAmerica facilities reported herein. All analyses performed by TestAmerica facilities were done using established laboratory SOPs that incorporate QA/QC procedures described in the applicable methods. TestAmerica's operations groups have reviewed the data for compliance with the laboratory QA/QC plan, and data have been found to be compliant with laboratory protocols unless otherwise noted below.

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory.

Please refer to the Quality Control Elements Narrative following this case narrative for additional quality control information.

If you have any questions, please call the Project Manager, Nathan Pietras, at 330-497-9396.

This report is sequentially paginated. The final page of the report is labeled as "END OF REPORT."

SUPPLEMENTAL QC INFORMATION

SAMPLE RECEIVING

The temperature of the cooler upon sample receipt was 2.6°C.

QUALITY CONTROL ELEMENTS NARRATIVE

TestAmerica conducts a quality assurance/quality control (QA/QC) program designed to provide scientifically valid and legally defensible data. Toward this end, several types of quality control indicators are incorporated into the QA/QC program, which is described in detail in QA Policy, QA-003. These indicators are introduced into the sample testing process to provide a mechanism for the assessment of the analytical data. Program or agency specific requirements take precedence over the requirements listed in this narrative.

QC BATCH

Environmental samples are taken through the testing process in groups called QUALITY CONTROL BATCHES (QC batches). A QC batch contains up to twenty environmental samples of a similar matrix (water, soil) that are processed using the same reagents and standards. TestAmerica North Canton requires that each environmental sample be associated with a QC batch.

Several quality control samples are included in each QC batch and are processed identically to the twenty environmental samples.

For SW846/RCRA methods, QC samples include a METHOD BLANK (MB), a LABORATORY CONTROL SAMPLE (LCS) and, where appropriate, a MATRIX SPIKE/MATRIX SPIKE DUPLICATE (MS/MSD) pair or a MATRIX SPIKE/SAMPLE DUPLICATE (MS/DU) pair. If there is insufficient sample to perform an MS/MSD or an MS/DU, then a LABORATORY CONTROL SAMPLE DUPLICATE (LCSD) is included in the QC batch.

For 600 series/CWA methods, QC samples include a METHOD BLANK (MB), a LABORATORY CONTROL SAMPLE (LCS) and, where appropriate, a MATRIX SPIKE (MS). An MS is prepared and analyzed at a 10% frequency for GC Methods and at a 5% frequency for GC/MS methods.

LABORATORY CONTROL SAMPLE

The Laboratory Control Sample is a QC sample that is created by adding known concentrations of a full or partial set of target analytes to a matrix similar to that of the environmental samples in the QC batch. Multi peak responders may not be included in the target spike list due to co-elution. The LCS analyte recovery results are used to monitor the analytical process and provide evidence that the laboratory is performing the method within acceptable guidelines. All control analytes indicated by a bold type in the LCS must meet acceptance criteria. Failure to meet the established recovery guidelines requires the repreparation and reanalysis of all samples in the QC batch. Comparison of only the failed parameters from the first batch are evaluated. The only exception to the rework requirement is that if the LCS recoveries are biased high and the associated sample is ND (non-detected) for the parameter(s) of interest, the batch is acceptable.

At times, a Laboratory Control Sample Duplicate (LCSD) is also included in the QC batch. An LCSD is a QC sample that is created and handled identically to the LCS. Analyte recovery data from the LCSD is assessed in the same way as that of the LCS. The LCSD recoveries, together with the LCS recoveries, are used to determine the reproducibility (precision) of the analytical system. Precision data are expressed as relative percent differences (RPDs). If the RPD fails for an LCS/LCSD and yet the recoveries are within acceptance criteria, the batch is still acceptable.

METHOD BLANK

The Method Blank is a QC sample consisting of all the reagents used in analyzing the environmental samples contained in the QC batch. Method Blank results are used to determine if interference or contamination in the analytical system could lead to the reporting of false positive data or elevated analyte concentrations. All target analytes must be below the reporting limits (RL) or the associated sample(s) must be ND except under the following circumstances:

- Common organic contaminants may be present at concentrations up to 5 times the reporting limits. Common metals contaminants may be present at concentrations up to 2 times the reporting limit, or the reported blank concentration must be twenty fold less than the concentration reported in the associated environmental samples. (See common laboratory contaminants listed in the table.)

Volatile (GC or GC/MS)	Semivolatile (GC/MS)	Metals ICP-MS	Metals ICP Trace
Methylene Chloride, Acetone, 2-Butanone	Phthalate Esters	Copper, Iron, Zinc, Lead, Calcium, Magnesium, Potassium, Sodium, Barium, Chromium, Manganese	Copper, Iron, Zinc, Lead

QUALITY CONTROL ELEMENTS NARRATIVE (continued)

- Organic blanks will be accepted if compounds detected in the blank are present in the associated samples at levels 10 times the blank level. Inorganic blanks will be accepted if elements detected in the blank are present in the associated samples at 20 times the blank level.
- Blanks will be accepted if the compounds/elements detected are not present in any of the associated environmental samples.

Failure to meet these Method Blank criteria requires the repreparation and reanalysis of all samples in the QC batch.

MATRIX SPIKE/MATRIX SPIKE DUPLICATE

A Matrix Spike and a Matrix Spike Duplicate are a pair of environmental samples to which known concentrations of a full or partial set of target analytes are added. The MS/MSD results are determined in the same manner as the results of the environmental sample used to prepare the MS/MSD. The analyte recoveries and the relative percent differences (RPDs) of the recoveries are calculated and used to evaluate the effect of the sample matrix on the analytical results. Due to the potential variability of the matrix of each sample, the MS/MSD results may not have an immediate bearing on any samples except the one spiked; therefore, the associated batch MS/MSD may not reflect the same compounds as the samples contained in the analytical report. When these MS/MSD results fail to meet acceptance criteria, the data is evaluated. If the LCS is within acceptance criteria, the batch is considered acceptable.

For certain methods, a Matrix Spike/Sample Duplicate (MS/DU) may be included in the QC batch in place of the MS/MSD. For the parameters (i.e. pH, ignitability) where it is not possible to prepare a spiked sample, a Sample Duplicate may be included in the QC batch. However, a Sample Duplicate is less likely to provide usable precision statistics depending on the likelihood of finding concentrations below the standard reporting limit. When the Sample Duplicate result fails to meet acceptance criteria, the data is evaluated.

For certain methods (600 series methods/CWA), a Matrix Spike is required in place of a Matrix Spike/Matrix Spike Duplicate (MS/MSD) or Matrix Spike/Sample Duplicate (MS/DU).

The acceptance criteria do not apply to samples that are diluted.

SURROGATE COMPOUNDS

In addition to these batch-related QC indicators, each organic environmental and QC sample is spiked with surrogate compounds. Surrogates are organic chemicals that behave similarly to the analytes of interest and that are rarely present in the environment. Surrogate recoveries are used to monitor the individual performance of a sample in the analytical system.

If surrogate recoveries are biased high in the LCS, LCSD, or the Method Blank, and the associated sample(s) are ND, the batch is acceptable. Otherwise, if the LCS, LCSD, or Method Blank surrogate(s) fail to meet recovery criteria, the entire sample batch is reprepared and reanalyzed. If the surrogate recoveries are outside criteria for environmental samples, the samples will be reprepared and reanalyzed unless there is objective evidence of matrix interference or if the sample dilution is greater than the threshold outlined in the associated method SOP.

The acceptance criteria do not apply to samples that are diluted. All other surrogate recoveries will be reported.

For the GC/MS BNA methods, the surrogate criterion is that two of the three surrogates for each fraction must meet acceptance criteria. The third surrogate must have a recovery of ten percent or greater.

For the Pesticide and PCB methods, the surrogate criterion is that one of two surrogate compounds must meet acceptance criteria. The second surrogate must have a recovery of 10% or greater.



TestAmerica Certifications and Approvals:

The laboratory is certified for the analytes listed on the documents below. These are available upon request.

California (#01144CA), Connecticut (#PH-0590), Florida (#E87225),

Illinois (#200004), Kansas (#E10336), Minnesota (#39-999-348), New Jersey (#OH001), New York (#10975), Nevada (#OH-000482008A), OhioVAP (#CL0024), Pennsylvania (#008), West Virginia (#210), Wisconsin (#999518190), NAVY, ARMY, USDA Soil Permit

**Chain of
Custody Record**

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

TAL-4142 (0408)

Client LATA, INC.		Project Manager JAMES MOORE		Date 3-30 -09	Chain of Custody Number 012049
Address 75L PARK MEADOW RD.		Telephone Number (Area Code)/Fax Number 614-508-1200 /1201		Lab Number	Page 1 of 1
City WESTERVILLE	State OH	Zip Code 43081	Site Contact ZEKE SEZORE	Lab Contact NATHAN PIETRAS	Analysis (Attach list if more space is needed)
Project Name and Location (State) GRANVILLE SOLVENTS (ANNUAL) / GRANVILLE, OH		Carrier/Waybill Number FEO X / BL3D 8691 7528			
Contract/Purchase Order/Quote No. 10839.5314.04			Matrix	Containers & Preservatives	Special Instructions/ Conditions of Receipt Vol. 524.2
Sample I.D. No. and Description (Containers for each sample may be combined on one line)					
GSSMW-09		Date 3-30-09	Time 1415	X	
GSSEW-01			1450		
DW # 1			1515		
MW-07D			1530		
GSSMW-08			1605		
MW-08			1640		
GSSMW-15			1720		
MW-06		Date 3-31-09	Time 1030		
MW-02/MS/MSO			1105	6	
MW-P1			1140	2	
MW-04D			1215	1	
TEIP BLANK					
Possible Hazard Identification:			Sample Disposal		
<input checked="" type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown			<input type="checkbox"/> Return To Client <input checked="" type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months <small>(A fee may be assessed if samples are retained longer than 1 month)</small>		
Turn Around Time Required:			QC Requirements (Specify)		
<input type="checkbox"/> 24 Hours <input type="checkbox"/> 48 Hours <input type="checkbox"/> 7 Days <input type="checkbox"/> 14 Days <input type="checkbox"/> 21 Days <input type="checkbox"/> Other _____					
1. Relinquished By Robert Sezore		Date 3-31-09	Time 1500	1. Received By Chris Lijal	Date 4-1-09
2. Relinquished By		Date	Time	2. Received By	Date
3. Relinquished By		Date	Time	3. Received By	Date
Comments					

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

**TestAmerica Cooler Receipt Form/Narrative
North Canton Facility**

Discrepancies Cont'd.



SAVANNAH DATA

ANALYTICAL REPORT

Job Number: 680-46033-1

Job Description: A9D010153 - Granville Solvents

For:

TestAmerica Laboratories, Inc.
4101 Shuffel Street NW
North Canton, OH 44720

Attention: Mr. Nate Pietras

Abbie Page

Approved for release
Abbie Page
Project Manager I
4/15/2009 10:41 AM

Abbie Page
Project Manager I
abbie.page@testamericainc.com
04/15/2009

The test results in this report meet NELAP requirements for parameters for which accreditation is required or available. Any exceptions to the NELAP requirements are noted. Results pertain only to samples listed in this report. This report may not be reproduced, except in full, without the written approval of the laboratory. Questions should be directed to the person who signed this report.

Savannah Certifications and ID #'s: A2LA: 0399.01; AL: 41450; ARDEQ: 88-0692; ARDOH; CA: 03217CA; CO; CT: PH0161; DE; FL: E87052; GA: 803; Guam; HI; IL: 200022; IN; IA: 353; KS: E-10322; KY EPPC: 90084; KY UST; LA DEQ: 30690; LA DHH: LA080008; ME: 2008022; MD: 250; MA: M-GA006; MI: 9925; MS; NFESC: 249; NV: GA00006; NJ: GA769; NM; NY: 10842; NC DWQ: 269; NC DHHS: 13701; PA: 68-00474; PR: GA00006; RI: LAO00244; SC: 98001001; TN: TN0296; TX: T104704185; USEPA: GA00006; VT: VT-87052; VA: 00302; WA; WV DEP: 094; WV DHHR: 9950 C; WI DNR: 999819810; WY/EPAR8: 8TMS-Q

**Job Narrative
680-J46033-1**

Comments

No additional comments.

Receipt

All samples were received in good condition within temperature requirements.

GC/MS VOA

Method(s) 524.2: The trip blank associated with these samples contained a detection above the method detection limit (MDL) for the following analyte: chloroform.

Method(s) 524.2: The matrix spike / matrix spike duplicate (MS/MSD) recoveries were outside control limits. The associated laboratory control sample (LCS) met acceptance criteria.

No other analytical or quality issues were noted.

METHOD SUMMARY

Client: TestAmerica Laboratories, Inc.

Job Number: 680-46033-1

Description	Lab Location	Method	Preparation Method
Matrix Water			
Volatile Organic Compounds (GC/MS)	TAL SAV	EPA-DW 524.2	

Lab References:

TAL SAV = TestAmerica Savannah

Method References:

EPA-DW = "Methods For The Determination Of Organic Compounds In Drinking Water", EPA/600/4-88/039, December 1988 And Its Supplements.

SAMPLE SUMMARY

Client: TestAmerica Laboratories, Inc.

Job Number: 680-46033-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
680-46033-1	GSSMW-09	Drinking Water	03/30/2009 1415	04/02/2009 0851
680-46033-2	GSSEW-01	Drinking Water	03/30/2009 1450	04/02/2009 0851
680-46033-3FD	DUP #1	Drinking Water	03/30/2009 1515	04/02/2009 0851
680-46033-4	MW-07D	Drinking Water	03/30/2009 1530	04/02/2009 0851
680-46033-5	GSSMW-08	Drinking Water	03/30/2009 1605	04/02/2009 0851
680-46033-6	MW-08	Drinking Water	03/30/2009 1640	04/02/2009 0851
680-46033-7	GSSMW-15	Drinking Water	03/30/2009 1720	04/02/2009 0851
680-46033-8	MW-06	Drinking Water	03/31/2009 1030	04/02/2009 0851
680-46033-9	MW-02	Drinking Water	03/31/2009 1105	04/02/2009 0851
680-46033-9MS	MW-02	Drinking Water	03/31/2009 1105	04/02/2009 0851
680-46033-9MSD	MW-02	Drinking Water	03/31/2009 1105	04/02/2009 0851
680-46033-10	MW-P1	Drinking Water	03/31/2009 1140	04/02/2009 0851
680-46033-11	MW-04D	Drinking Water	03/31/2009 1215	04/02/2009 0851
680-46033-12TB	TRIP BLANK	Drinking Water	03/31/2009 0000	04/02/2009 0851

Analytical Data

Client: TestAmerica Laboratories, Inc.

Job Number: 680-46033-1

Client Sample ID: GSSMW-09

Lab Sample ID: 680-46033-1

Client Matrix: Drinking Water

Date Sampled: 03/30/2009 1415

Date Received: 04/02/2009 0851

624.2 Volatile Organic Compounds (GC/MS)

Method:	524.2	Analysis Batch:	680-134686	Instrument ID:	GC/MS Volatiles - S
Preparation:	N/A			Lab File ID:	s0556.d
Dilution:	1.0			Initial Weight/Volume:	5 mL
Date Analyzed:	04/06/2009 1736			Final Weight/Volume:	5 mL
Date Prepared:	N/A				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Benzene	<0.19		0.19	0.50
Bromobenzene	<0.13		0.13	0.50
Bromoform	<0.17		0.17	0.50
Bromomethane	<0.49		0.49	1.0
Carbon tetrachloride	<0.38		0.38	0.50
Chlorobenzene	<0.19		0.19	0.50
Chlorodibromomethane	<0.16		0.16	0.50
Chloroethane	<0.36		0.36	1.0
Chloroform	0.39	4/20/09	0.20	0.50
Chloromethane	<0.31		0.31	0.50
2-Chlorotoluene	<0.18		0.18	0.50
4-Chlorotoluene	<0.18		0.18	0.50
cis-1,2-Dichloroethene	<0.25		0.25	0.50
cis-1,3-Dichloropropene	<0.16		0.16	0.50
Dibromomethane	<0.18		0.18	0.50
1,2-Dichlorobenzene	<0.23		0.23	0.50
1,3-Dichlorobenzene	<0.19		0.19	0.50
1,4-Dichlorobenzene	<0.17		0.17	0.50
Dichlorobromomethane	<0.19		0.19	0.50
1,1-Dichloroethane	<0.23		0.23	0.50
1,2-Dichloroethane	<0.19		0.19	0.50
1,1-Dichloroethene	<0.24		0.24	0.50
1,2-Dichloropropane	<0.22		0.22	0.50
1,3-Dichloropropane	<0.19		0.19	0.50
2,2-Dichloropropane	<0.33		0.33	0.50
1,1-Dichloropropene	<0.19		0.19	0.50
Ethylbenzene	<0.18		0.18	0.50
Methylene Chloride	<0.21		0.21	0.50
Methyl tert-butyl ether	<0.13		0.13	0.50
m-Xylene & p-Xylene	<0.34		0.34	0.50
o-Xylene	<0.11		0.11	0.50
Styrene	<0.30		0.30	0.50
1,1,1,2-Tetrachloroethane	<0.20		0.20	0.50
1,1,2,2-Tetrachloroethane	<0.15		0.15	0.50
Tetrachloroethene	<0.22		0.22	0.50
Toluene	<0.21		0.21	0.50
trans-1,2-Dichloroethene	<0.22		0.22	0.50
trans-1,3-Dichloropropene	<0.21		0.21	0.50
1,2,4-Trichlorobenzene	<0.38		0.38	0.50
1,1,1-Trichloroethane	<0.16		0.16	0.50
1,1,2-Trichloroethane	<0.25		0.25	0.50
Trichloroethene	<0.20		0.20	0.50
1,2,3-Trichloropropane	<0.22		0.22	0.50
Vinyl chloride	<0.29		0.29	0.50

Analytical Data

Client: TestAmerica Laboratories, Inc.

Job Number: 680-46033-1

Client Sample ID: GSSMW-09

Lab Sample ID: 680-46033-1

Client Matrix: Drinking Water

Date Sampled: 03/30/2009 1415

Date Received: 04/02/2009 0851

524.2 Volatile Organic Compounds (GC/MS)

Method:	524.2	Analysis Batch: 680-134686	Instrument ID: GC/MS Volatiles - S
Preparation:	N/A	Lab File ID: s0556.d	
Dilution:	1.0	Initial Weight/Volume:	5 mL
Date Analyzed:	04/06/2009 1736	Final Weight/Volume:	5 mL
Date Prepared:	N/A		

Analyte	Result (ug/L)	Qualifier	MDL	RL
Xylenes, Total	<0.44		0.44	0.50

Surrogate	%Rec	Acceptance Limits
4-Bromofluorobenzene	103	70 - 130
1,2-Dichlorobenzene-d4	105	70 - 130

Analytical Data

Client: TestAmerica Laboratories, Inc.

Job Number: 680-46033-1

Client Sample ID: GSSEW-01

Lab Sample ID: 680-46033-2

Client Matrix: Drinking Water

Date Sampled: 03/30/2009 1450

Date Received: 04/02/2009 0851

524.2 Volatile Organic Compounds (GC/MS)

Method:	524.2	Analysis Batch:	680-134686	Instrument ID:	GC/MS Volatiles - S
Preparation:	N/A			Lab File ID:	s0557.d
Dilution:	1.0			Initial Weight/Volume:	5 mL
Date Analyzed:	04/06/2009 1757			Final Weight/Volume:	5 mL
Date Prepared:	N/A				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Benzene	<0.19		0.19	0.50
Bromobenzene	<0.13		0.13	0.50
Bromoform	<0.17		0.17	0.50
Bromomethane	<0.49		0.49	1.0
Carbon tetrachloride	<0.38		0.38	0.50
Chlorobenzene	<0.19		0.19	0.50
Chlorodibromomethane	<0.16		0.16	0.50
Chloroethane	<0.36		0.36	1.0
Chloroform	<0.20		0.20	0.50
Chloromethane	<0.31		0.31	0.50
2-Chlorotoluene	<0.18		0.18	0.50
4-Chlorotoluene	<0.18		0.18	0.50
cis-1,2-Dichloroethene	0.79		0.25	0.50
cis-1,3-Dichloropropene	<0.16		0.16	0.50
Dibromomethane	<0.18		0.18	0.50
1,2-Dichlorobenzene	<0.23		0.23	0.50
1,3-Dichlorobenzene	<0.19		0.19	0.50
1,4-Dichlorobenzene	<0.17		0.17	0.50
Dichlorobromomethane	<0.19		0.19	0.50
1,1-Dichloroethane	<0.23		0.23	0.50
1,2-Dichloroethane	<0.19		0.19	0.50
1,1-Dichloroethene	<0.24		0.24	0.50
1,2-Dichloropropane	<0.22		0.22	0.50
1,3-Dichloropropane	<0.19		0.19	0.50
2,2-Dichloropropane	<0.33		0.33	0.50
1,1-Dichloropropene	<0.19		0.19	0.50
Ethylbenzene	<0.18		0.18	0.50
Methylene Chloride	<0.21		0.21	0.50
Methyl tert-butyl ether	<0.13		0.13	0.50
m-Xylene & p-Xylene	<0.34		0.34	0.50
o-Xylene	<0.11		0.11	0.50
Styrene	<0.30		0.30	0.50
1,1,1,2-Tetrachloroethane	<0.20		0.20	0.50
1,1,2,2-Tetrachloroethane	<0.15		0.15	0.50
Tetrachloroethene	<0.22		0.22	0.50
Toluene	<0.21		0.21	0.50
trans-1,2-Dichloroethene	<0.22		0.22	0.50
trans-1,3-Dichloropropene	<0.21		0.21	0.50
1,2,4-Trichlorobenzene	<0.38		0.38	0.50
1,1,1-Trichloroethane	<0.16		0.16	0.50
1,1,2-Trichloroethane	<0.25		0.25	0.50
Trichloroethene	<0.20		0.20	0.50
1,2,3-Trichloropropene	<0.22		0.22	0.50
Vinyl chloride	<0.29		0.29	0.50

Analytical Data

Client: TestAmerica Laboratories, Inc.

Job Number: 680-46033-1

Client Sample ID: GSSEW-01

Lab Sample ID: 680-46033-2

Client Matrix: Drinking Water

Date Sampled: 03/30/2009 1450

Date Received: 04/02/2009 0851

524.2 Volatile Organic Compounds (GC/MS)

Method:	524.2	Analysis Batch:	680-134686	Instrument ID:	GC/MS Volatiles - S
Preparation:	N/A			Lab File ID:	s0557.d
Dilution:	1.0			Initial Weight/Volume:	5 mL
Date Analyzed:	04/06/2009 1757			Final Weight/Volume:	5 mL
Date Prepared:	N/A				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Xylenes, Total	<0.44		0.44	0.50

Surrogate	%Rec	Acceptance Limits
4-Bromofluorobenzene	103	70 - 130
1,2-Dichlorobenzene-d4	108	70 - 130

Analytical Data

Client: TestAmerica Laboratories, Inc.

Job Number: 680-46033-1

Client Sample ID: DUP #1 *Dupe of G SS MLW-1S*

Lab Sample ID: 680-46033-3FD
Client Matrix: Drinking Water

Date Sampled: 03/30/2009 1515
Date Received: 04/02/2009 0851

524.2 Volatile Organic Compounds (GC/MS)

Method:	524.2	Analysis Batch:	680-134686	Instrument ID:	GC/MS Volatiles - S
Preparation:	N/A			Lab File ID:	s0558.d
Dilution:	1.0			Initial Weight/Volume:	5 mL
Date Analyzed:	04/06/2009 1819			Final Weight/Volume:	5 mL
Date Prepared:	N/A				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Benzene	<0.19		0.19	0.50
Bromobenzene	<0.13		0.13	0.50
Bromoform	<0.17		0.17	0.50
Bromomethane	<0.49		0.49	1.0
Carbon tetrachloride	<0.38		0.38	0.50
Chlorobenzene	<0.19		0.19	0.50
Chlorodibromomethane	<0.16		0.16	0.50
Chloroethane	<0.36		0.36	1.0
Chloroform	<0.20		0.20	0.50
Chloromethane	<0.31		0.31	0.50
2-Chlorotoluene	<0.18		0.18	0.50
4-Chlorotoluene	<0.18		0.18	0.50
cis-1,2-Dichloroethene	8.7		0.25	0.50
cis-1,3-Dichloropropene	<0.16		0.16	0.50
Dibromomethane	<0.18		0.18	0.50
1,2-Dichlorobenzene	<0.23		0.23	0.50
1,3-Dichlorobenzene	<0.19		0.19	0.50
1,4-Dichlorobenzene	<0.17		0.17	0.50
Dichlorobromomethane	<0.19		0.19	0.50
1,1-Dichloroethane	1.4		0.23	0.50
1,2-Dichloroethane	<0.19		0.19	0.50
1,1-Dichloroethene	<0.24		0.24	0.50
1,2-Dichloropropane	<0.22		0.22	0.50
1,3-Dichloropropane	<0.19		0.19	0.50
2,2-Dichloropropane	<0.33		0.33	0.50
1,1-Dichloropropene	<0.19		0.19	0.50
Ethylbenzene	<0.18		0.18	0.50
Methylene Chloride	<0.21		0.21	0.50
Methyl tert-butyl ether	<0.13		0.13	0.50
m-Xylene & p-Xylene	<0.34		0.34	0.50
o-Xylene	<0.11		0.11	0.50
Styrene	<0.30		0.30	0.50
1,1,1,2-Tetrachloroethane	<0.20		0.20	0.50
1,1,2,2-Tetrachloroethane	<0.15		0.15	0.50
Tetrachloroethene	9.1		0.22	0.50
Toluene	<0.21		0.21	0.50
trans-1,2-Dichloroethene	0.67		0.22	0.50
trans-1,3-Dichloropropene	<0.21		0.21	0.50
1,2,4-Trichlorobenzene	<0.38		0.38	0.50
1,1,1-Trichloroethane	30		0.16	0.50
1,1,2-Trichloroethane	<0.25		0.25	0.50
Trichloroethene	35		0.20	0.50
1,2,3-Trichloropropene	<0.22		0.22	0.50
Vinyl chloride	<0.29		0.29	0.50

Analytical Data

Client: TestAmerica Laboratories, Inc.

Job Number: 680-46033-1

Client Sample ID: DUP #1

Lab Sample ID: 680-46033-3FD

Client Matrix: Drinking Water

Date Sampled: 03/30/2009 1515

Date Received: 04/02/2009 0851

524.2 Volatile Organic Compounds (GC/MS)

Method:	524.2	Analysis Batch:	680-134686	Instrument ID:	GC/MS Volatiles - S
Preparation:	N/A			Lab File ID:	s0558.d
Dilution:	1.0			Initial Weight/Volume:	5 mL
Date Analyzed:	04/06/2009 1819			Final Weight/Volume:	5 mL
Date Prepared:	N/A				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Xylenes, Total	<0.44		0.44	0.50

Surrogate	%Rec	Acceptance Limits
4-Bromofluorobenzene	102 ✓	70 - 130
1,2-Dichlorobenzene-d4	107 ✓	70 - 130

Analytical Data

Client: TestAmerica Laboratories, Inc.

Job Number: 680-46033-1

Client Sample ID: MW-07D

Lab Sample ID: 680-46033-4

Client Matrix: Drinking Water

Date Sampled: 03/30/2009 1530

Date Received: 04/02/2009 0851

524.2 Volatile Organic Compounds (GC/MS)

Method:	524.2	Analysis Batch:	680-134686	Instrument ID:	GC/MS Volatiles - S
Preparation:	N/A			Lab File ID:	s0559.d
Dilution:	1.0			Initial Weight/Volume:	5 mL
Date Analyzed:	04/06/2009 1840			Final Weight/Volume:	5 mL
Date Prepared:	N/A				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Benzene	<0.19		0.19	0.50
Bromobenzene	<0.13		0.13	0.50
Bromoform	<0.17		0.17	0.50
Bromomethane	<0.49		0.49	1.0
Carbon tetrachloride	<0.38		0.38	0.50
Chlorobenzene	<0.19		0.19	0.50
Chlorodibromomethane	<0.16		0.16	0.50
Chloroethane	<0.36		0.36	1.0
Chloroform	<0.20		0.20	0.50
Chloromethane	<0.31		0.31	0.50
2-Chlorotoluene	<0.18		0.18	0.50
4-Chlorotoluene	<0.18		0.18	0.50
cis-1,2-Dichloroethene	<0.25		0.25	0.50
cis-1,3-Dichloropropene	<0.16		0.16	0.50
Dibromomethane	<0.18		0.18	0.50
1,2-Dichlorobenzene	<0.23		0.23	0.50
1,3-Dichlorobenzene	<0.19		0.19	0.50
1,4-Dichlorobenzene	<0.17		0.17	0.50
Dichlorobromomethane	<0.19		0.19	0.50
1,1-Dichloroethane	<0.23		0.23	0.50
1,2-Dichloroethane	<0.19		0.19	0.50
1,1-Dichloroethene	<0.24		0.24	0.50
1,2-Dichloropropane	<0.22		0.22	0.50
1,3-Dichloropropane	<0.19		0.19	0.50
2,2-Dichloropropane	<0.33		0.33	0.50
1,1-Dichloropropene	<0.19		0.19	0.50
Ethylbenzene	<0.18		0.18	0.50
Methylene Chloride	<0.21		0.21	0.50
Methyl tert-butyl ether	<0.13		0.13	0.50
m-Xylene & p-Xylene	<0.34		0.34	0.50
o-Xylene	<0.11		0.11	0.50
Styrene	<0.30		0.30	0.50
1,1,1,2-Tetrachloroethane	<0.20		0.20	0.50
1,1,2,2-Tetrachloroethane	<0.15		0.15	0.50
Tetrachloroethene	<0.22		0.22	0.50
Toluene	<0.21		0.21	0.50
trans-1,2-Dichloroethene	<0.22		0.22	0.50
trans-1,3-Dichloropropene	<0.21		0.21	0.50
1,2,4-Trichlorobenzene	<0.38		0.38	0.50
1,1,1-Trichloroethane	<0.16		0.16	0.50
1,1,2-Trichloroethane	<0.25		0.25	0.50
Trichloroethene	<0.20		0.20	0.50
1,2,3-Trichloropropane	<0.22		0.22	0.50
Vinyl chloride	<0.29		0.29	0.50

Analytical Data

Client: TestAmerica Laboratories, Inc.

Job Number: 680-46033-1

Client Sample ID: MW-07D

Lab Sample ID: 680-46033-4

Client Matrix: Drinking Water

Date Sampled: 03/30/2009 1630

Date Received: 04/02/2009 0851

524.2 Volatile Organic Compounds (GC/MS)

Method: 524.2
Preparation: N/A
Dilution: 1.0
Date Analyzed: 04/06/2009 1840
Date Prepared: N/A

Analysis Batch: 680-134686

Instrument ID: GC/MS Volatiles - S

Lab File ID: s0559.d

Initial Weight/Volume: 5 mL

Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Xylenes, Total	<0.44		0.44	0.50

Surrogate	%Rec	Acceptance Limits
4-Bromofluorobenzene	101 ✓	70 - 130
1,2-Dichlorobenzene-d4	105 ✓	70 - 130

Analytical Data

Client: TestAmerica Laboratories, Inc.

Job Number: 680-46033-1

Client Sample ID: GSSMW-08

Lab Sample ID: 680-46033-5

Client Matrix: Drinking Water

Date Sampled: 03/30/2009 1605

Date Received: 04/02/2009 0851

524.2 Volatile Organic Compounds (GC/MS)

Method:	524.2	Analysis Batch: 680-134686	Instrument ID:	GC/MS Volatiles - S
Preparation:	N/A		Lab File ID:	s0560.d
Dilution:	1.0		Initial Weight/Volume:	5 mL
Date Analyzed:	04/06/2009 1902		Final Weight/Volume:	5 mL
Date Prepared:	N/A			

Analyte	Result (ug/L)	Qualifier	MDL	RL
Benzene	<0.19		0.19	0.50
Bromobenzene	<0.13		0.13	0.50
Bromoform	<0.17		0.17	0.50
Bromomethane	<0.49		0.49	1.0
Carbon tetrachloride	<0.38		0.38	0.50
Chlorobenzene	<0.19		0.19	0.50
Chlorodibromomethane	<0.16		0.16	0.50
Chloroethane	<0.36		0.36	1.0
Chloroform	<0.20		0.20	0.50
Chloromethane	<0.31		0.31	0.50
2-Chlorotoluene	<0.18		0.18	0.50
4-Chlorotoluene	<0.18		0.18	0.50
cis-1,2-Dichloroethene	<0.25		0.25	0.50
cis-1,3-Dichloropropene	<0.16		0.16	0.50
Dibromomethane	<0.18		0.18	0.50
1,2-Dichlorobenzene	<0.23		0.23	0.50
1,3-Dichlorobenzene	<0.19		0.19	0.50
1,4-Dichlorobenzene	<0.17		0.17	0.50
Dichlorobromomethane	<0.19		0.19	0.50
1,1-Dichloroethane	<0.23		0.23	0.50
1,2-Dichloroethane	<0.19		0.19	0.50
1,1-Dichloroethene	<0.24		0.24	0.50
1,2-Dichloropropane	<0.22		0.22	0.50
1,3-Dichloropropane	<0.19		0.19	0.50
2,2-Dichloropropane	<0.33		0.33	0.50
1,1-Dichloropropene	<0.19		0.19	0.50
Ethylbenzene	<0.18		0.18	0.50
Methylene Chloride	<0.21		0.21	0.50
Methyl tert-butyl ether	<0.13		0.13	0.50
m-Xylene & p-Xylene	<0.34		0.34	0.50
o-Xylene	<0.11		0.11	0.50
Styrene	<0.30		0.30	0.50
1,1,1,2-Tetrachloroethane	<0.20		0.20	0.50
1,1,2,2-Tetrachloroethane	<0.15		0.15	0.50
Tetrachloroethene	<0.22		0.22	0.50
Toluene	<0.21		0.21	0.50
trans-1,2-Dichloroethene	<0.22		0.22	0.50
trans-1,3-Dichloropropene	<0.21		0.21	0.50
1,2,4-Trichlorobenzene	<0.38		0.38	0.50
1,1,1-Trichloroethane	<0.16		0.16	0.50
1,1,2-Trichloroethane	<0.25		0.25	0.50
Trichloroethene	<0.20		0.20	0.50
1,2,3-Trichloropropane	<0.22		0.22	0.50
Vinyl chloride	<0.29		0.29	0.50

Analytical Data

Client: TestAmerica Laboratories, Inc.

Job Number: 680-46033-1

Client Sample ID: GSSMW-08

Lab Sample ID: 680-46033-5

Client Matrix: Drinking Water

Date Sampled: 03/30/2009 1605

Date Received: 04/02/2009 0851

524.2 Volatile Organic Compounds (GC/MS)

Method:	524.2	Analysis Batch:	680-134686	Instrument ID:	GC/MS Volatiles - S
Preparation:	N/A			Lab File ID:	s0560.d
Dilution:	1.0			Initial Weight/Volume:	5 mL
Date Analyzed:	04/06/2009 1902			Final Weight/Volume:	5 mL
Date Prepared:	N/A				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Xylenes, Total	<0.44		0.44	0.50

Surrogate	%Rec	Acceptance Limits
4-Bromofluorobenzene	101 ✓	70 - 130
1,2-Dichlorobenzene-d4	104 ✓	70 - 130

Analytical Data

Client: TestAmerica Laboratories, Inc.

Job Number: 680-46033-1

Client Sample ID: MW-08

Lab Sample ID: 680-46033-6

Client Matrix: Drinking Water

Date Sampled: 03/30/2009 1640

Date Received: 04/02/2009 0851

524.2 Volatile Organic Compounds (GC/MS)

Method:	524.2	Analysis Batch:	680-134686	Instrument ID:	GC/MS Volatiles - S
Preparation:	N/A			Lab File ID:	s0561.d
Dilution:	1.0			Initial Weight/Volume:	5 mL
Date Analyzed:	04/06/2009 1923			Final Weight/Volume:	5 mL
Date Prepared:	N/A				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Benzene	<0.19		0.19	0.50
Bromobenzene	<0.13		0.13	0.50
Bromoform	<0.17		0.17	0.50
Bromomethane	<0.49		0.49	1.0
Carbon tetrachloride	<0.38		0.38	0.50
Chlorobenzene	<0.19		0.19	0.50
Chlorodibromomethane	<0.16		0.16	0.50
Chloroethane	<0.36		0.36	1.0
Chloroform	<0.20		0.20	0.50
Chloromethane	<0.31		0.31	0.50
2-Chlorotoluene	<0.18		0.18	0.50
4-Chlorotoluene	<0.18		0.18	0.50
cis-1,2-Dichloroethene	40		0.25	0.50
cis-1,3-Dichloropropene	<0.16		0.16	0.50
Dibromomethane	<0.18		0.18	0.50
1,2-Dichlorobenzene	<0.23		0.23	0.50
1,3-Dichlorobenzene	<0.19		0.19	0.50
1,4-Dichlorobenzene	<0.17		0.17	0.50
Dichlorobromomethane	<0.19		0.19	0.50
1,1-Dichloroethane	2.8		0.23	0.50
1,2-Dichloroethane	<0.19		0.19	0.50
1,1-Dichloroethene	<0.24		0.24	0.50
1,2-Dichloropropane	<0.22		0.22	0.50
1,3-Dichloropropane	<0.19		0.19	0.50
2,2-Dichloropropane	<0.33		0.33	0.50
1,1-Dichloropropene	<0.19		0.19	0.50
Ethylbenzene	<0.18		0.18	0.50
Methylene Chloride	<0.21		0.21	0.50
Methyl tert-butyl ether	<0.13		0.13	0.50
m-Xylene & p-Xylene	<0.34		0.34	0.50
o-Xylene	<0.11		0.11	0.50
Styrene	<0.30		0.30	0.50
1,1,1,2-Tetrachloroethane	<0.20		0.20	0.50
1,1,2,2-Tetrachloroethane	<0.15		0.15	0.50
Tetrachloroethene	<0.22		0.22	0.50
Toluene	<0.21		0.21	0.50
trans-1,2-Dichloroethene	5.1		0.22	0.50
trans-1,3-Dichloropropene	<0.21		0.21	0.50
1,2,4-Trichlorobenzene	<0.38		0.38	0.50
1,1,1-Trichloroethane	<0.16		0.16	0.50
1,1,2-Trichloroethane	<0.25		0.25	0.50
Trichloroethene	<0.20		0.20	0.50
1,2,3-Trichloropropane	<0.22		0.22	0.50
Vinyl chloride	<0.29		0.29	0.50

Analytical Data

Client: TestAmerica Laboratories, Inc.

Job Number: 680-46033-1

Client Sample ID: MW-08

Lab Sample ID: 680-46033-6

Client Matrix: Drinking Water

Date Sampled: 03/30/2009 1640

Date Received: 04/02/2009 0851

524.2 Volatile Organic Compounds (GC/MS)

Method:	524.2	Analysis Batch: 680-134686	Instrument ID:	GC/MS Volatiles - S
Preparation:	N/A		Lab File ID:	s0561.d
Dilution:	1.0		Initial Weight/Volume:	5 mL
Date Analyzed:	04/06/2009 1923		Final Weight/Volume:	5 mL
Date Prepared:	N/A			

Analyte	Result (ug/L)	Qualifier	MDL	RL
Xylenes, Total	<0.44		0.44	0.50

Surrogate	%Rec	Acceptance Limits
4-Bromofluorobenzene	105 ✓	70 - 130
1,2-Dichlorobenzene-d4	105 ✓	70 - 130

Analytical Data

Client: TestAmerica Laboratories, Inc.

Job Number: 680-46033-1

Client Sample ID: GSSMW-15

Lab Sample ID: 680-46033-7

Client Matrix: Drinking Water

Date Sampled: 03/30/2009 1720

Date Received: 04/02/2009 0851

524.2 Volatile Organic Compounds (GC/MS)

Method:	524.2	Analysis Batch:	680-134686	Instrument ID:	GC/MS Volatiles - S
Preparation:	N/A			Lab File ID:	s0562.d
Dilution:	1.0			Initial Weight/Volume:	5 mL
Date Analyzed:	04/06/2009 1944			Final Weight/Volume:	5 mL
Date Prepared:	N/A				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Benzene	<0.19		0.19	0.50
Bromobenzene	<0.13		0.13	0.50
Bromoform	<0.17		0.17	0.50
Bromomethane	<0.49		0.49	1.0
Carbon tetrachloride	<0.38		0.38	0.50
Chlorobenzene	<0.19		0.19	0.50
Chlorodibromomethane	<0.16		0.16	0.50
Chloroethane	<0.36		0.36	1.0
Chloroform	<0.20		0.20	0.50
Chloromethane	<0.31		0.31	0.50
2-Chlorotoluene	<0.18		0.18	0.50
4-Chlorotoluene	<0.18		0.18	0.50
cis-1,2-Dichloroethene	8.9		0.25	0.50
cis-1,3-Dichloropropene	<0.16		0.16	0.50
Dibromomethane	<0.18		0.18	0.50
1,2-Dichlorobenzene	<0.23		0.23	0.50
1,3-Dichlorobenzene	<0.19		0.19	0.50
1,4-Dichlorobenzene	<0.17		0.17	0.50
Dichlorobromomethane	<0.19		0.19	0.50
1,1-Dichloroethane	1.4		0.23	0.50
1,2-Dichloroethane	<0.19		0.19	0.50
1,1-Dichloroethene	<0.24		0.24	0.50
1,2-Dichloropropane	<0.22		0.22	0.50
1,3-Dichloropropane	<0.19		0.19	0.50
2,2-Dichloropropane	<0.33		0.33	0.50
1,1-Dichloropropene	<0.19		0.19	0.50
Ethylbenzene	<0.18		0.18	0.50
Methylene Chloride	<0.21		0.21	0.50
Methyl tert-butyl ether	<0.13		0.13	0.50
m-Xylene & p-Xylene	<0.34		0.34	0.50
o-Xylene	<0.11		0.11	0.50
Styrene	<0.30		0.30	0.50
1,1,1,2-Tetrachloroethane	<0.20		0.20	0.50
1,1,2,2-Tetrachloroethane	<0.15		0.15	0.50
Tetrachloroethene	8.9		0.22	0.50
Toluene	<0.21		0.21	0.50
trans-1,2-Dichloroethene	0.61		0.22	0.50
trans-1,3-Dichloropropene	<0.21		0.21	0.50
1,2,4-Trichlorobenzene	<0.38		0.38	0.50
1,1,1-Trichloroethane	30		0.16	0.50
1,1,2-Trichloroethane	<0.25		0.25	0.50
Trichloroethene	35		0.20	0.50
1,2,3-Trichloropropane	<0.22		0.22	0.50
Vinyl chloride	<0.29		0.29	0.50

Analytical Data

Client: TestAmerica Laboratories, Inc.

Job Number: 680-46033-1

Client Sample ID: GSSMW-15

Lab Sample ID: 680-46033-7

Client Matrix: Drinking Water

Date Sampled: 03/30/2009 1720

Date Received: 04/02/2009 0851

524.2 Volatile Organic Compounds (GC/MS)

Method:	524.2	Analysis Batch:	680-134686	Instrument ID:	GC/MS Volatiles - S
Preparation:	N/A			Lab File ID:	s0562.d
Dilution:	1.0			Initial Weight/Volume:	5 mL
Date Analyzed:	04/06/2009 1944			Final Weight/Volume:	5 mL
Date Prepared:	N/A				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Xylenes, Total	<0.44		0.44	0.50

Surrogate	%Rec	Acceptance Limits
4-Bromofluorobenzene	103 ✓	70 - 130
1,2-Dichlorobenzene-d4	105 ✓	70 - 130

Analytical Data

Client: TestAmerica Laboratories, Inc.

Job Number: 680-46033-1

Client Sample ID: MW-06

Lab Sample ID: 680-46033-8

Client Matrix: Drinking Water

Date Sampled: 03/31/2009 1030

Date Received: 04/02/2009 0851

524.2 Volatile Organic Compounds (GC/MS)

Method:	524.2	Analysis Batch:	680-134686	Instrument ID:	GC/MS Volatiles - S
Preparation:	N/A			Lab File ID:	s0563.d
Dilution:	1.0			Initial Weight/Volume:	5 mL
Date Analyzed:	04/06/2009 2006			Final Weight/Volume:	5 mL
Date Prepared:	N/A				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Benzene	<0.19		0.19	0.50
Bromobenzene	<0.13		0.13	0.50
Bromoform	<0.17		0.17	0.50
Bromomethane	<0.49		0.49	1.0
Carbon tetrachloride	<0.38		0.38	0.50
Chlorobenzene	<0.19		0.19	0.50
Chlorodibromomethane	<0.16		0.16	0.50
Chloroethane	<0.36		0.36	1.0
Chloroform	<0.20		0.20	0.50
Chloromethane	<0.31		0.31	0.50
2-Chlorotoluene	<0.18		0.18	0.50
4-Chlorotoluene	<0.18		0.18	0.50
cis-1,2-Dichloroethene	<0.25		0.25	0.50
cis-1,3-Dichloropropene	<0.16		0.16	0.50
Dibromomethane	<0.18		0.18	0.50
1,2-Dichlorobenzene	<0.23		0.23	0.50
1,3-Dichlorobenzene	<0.19		0.19	0.50
1,4-Dichlorobenzene	<0.17		0.17	0.50
Dichlorobromomethane	<0.19		0.19	0.50
1,1-Dichloroethane	<0.23		0.23	0.50
1,2-Dichloroethane	<0.19		0.19	0.50
1,1-Dichloroethene	<0.24		0.24	0.50
1,2-Dichloropropane	<0.22		0.22	0.50
1,3-Dichloropropane	<0.19		0.19	0.50
2,2-Dichloropropane	<0.33		0.33	0.50
1,1-Dichloropropene	<0.19		0.19	0.50
Ethylbenzene	<0.18		0.18	0.50
Methylene Chloride	<0.21		0.21	0.50
Methyl tert-butyl ether	<0.13		0.13	0.50
m-Xylene & p-Xylene	<0.34		0.34	0.50
o-Xylene	<0.11		0.11	0.50
Styrene	<0.30		0.30	0.50
1,1,1,2-Tetrachloroethane	<0.20		0.20	0.50
1,1,2,2-Tetrachloroethane	<0.15		0.15	0.50
Tetrachloroethene	0.49	J	0.22	0.50
Toluene	<0.21		0.21	0.50
trans-1,2-Dichloroethene	<0.22		0.22	0.50
trans-1,3-Dichloropropene	<0.21		0.21	0.50
1,2,4-Trichlorobenzene	<0.38		0.38	0.50
1,1,2-Trichloroethane	<0.25		0.25	0.50
Trichloroethene	13		0.20	0.50
1,2,3-Trichloropropane	<0.22		0.22	0.50
Vinyl chloride	<0.29		0.29	0.50
Xylenes, Total	<0.44		0.44	0.50

Analytical Data

Client: TestAmerica Laboratories, Inc.

Job Number: 680-46033-1

Client Sample ID: MW-06

Lab Sample ID: 680-46033-8

Client Matrix: Drinking Water

Date Sampled: 03/31/2009 1030

Date Received: 04/02/2009 0851

524.2 Volatile Organic Compounds (GC/MS)

Method:	524.2	Analysis Batch: 680-134686	Instrument ID: GC/MS Volatiles - S
Preparation:	N/A		Lab File ID: s0563.d
Dilution:	1.0		Initial Weight/Volume: 5 mL
Date Analyzed:	04/06/2009 2006		Final Weight/Volume: 5 mL
Date Prepared:	N/A		

Surrogate	%Rec	Acceptance Limits
4-Bromofluorobenzene	103 ✓	70 - 130
1,2-Dichlorobenzene-d4	107 ✓	70 - 130

Analytical Data

Client: TestAmerica Laboratories, Inc.

Job Number: 680-46033-1

Client Sample ID: MW-08

Lab Sample ID: 680-46033-8

Client Matrix: Drinking Water

Date Sampled: 03/31/2009 1030

Date Received: 04/02/2009 0851

524.2 Volatile Organic Compounds (GC/MS)

Method:	524.2	Analysis Batch:	680-134867	Instrument ID:	GC/MS Volatiles - U
Preparation:	N/A			Lab File ID:	u1344.d
Dilution:	5.0			Initial Weight/Volume:	5 mL
Date Analyzed:	04/09/2009 1414			Final Weight/Volume:	5 mL
Date Prepared:	N/A				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1-Trichloroethane	180		0.80	2.5

Analytical Data

Client: TestAmerica Laboratories, Inc.

Job Number: 680-46033-1

Client Sample ID: MW-02

Lab Sample ID: 680-46033-9

Client Matrix: Drinking Water

Date Sampled: 03/31/2009 1105

Date Received: 04/02/2009 0851

524.2 Volatile Organic Compounds (GC/MS)

Method:	524.2	Analysis Batch: 680-134867	Instrument ID:	GC/MS Volatiles - U
Preparation:	N/A		Lab File ID:	u1363.d
Dilution:	5.0		Initial Weight/Volume:	5 mL
Date Analyzed:	04/09/2009 2113		Final Weight/Volume:	5 mL
Date Prepared:	N/A			

Analyte	Result (ug/L)	Qualifier	MDL	RL
Benzene	<0.95		0.95	2.5
Bromobenzene	<0.65		0.65	2.5
Bromoform	<0.85		0.85	2.5
Bromomethane	<2.4		2.4	5.0
Carbon tetrachloride	<1.9		1.9	2.5
Chlorobenzene	<0.95		0.95	2.5
Chlorodibromomethane	<0.80		0.80	2.5
Chloroethane	<1.8		1.8	5.0
Chloroform	<1.0		1.0	2.5
Chlormethane	<1.6		1.6	2.5
2-Chlorotoluene	<0.90		0.90	2.5
4-Chlorotoluene	<0.90		0.90	2.5
cis-1,2-Dichloroethene	1.7	J	1.2	2.5
cis-1,3-Dichloropropene	<0.80		0.80	2.5
Dibromomethane	<0.90		0.90	2.5
1,2-Dichlorobenzene	<1.2		1.2	2.5
1,3-Dichlorobenzene	<0.95		0.95	2.5
1,4-Dichlorobenzene	<0.85		0.85	2.5
Dichlorobromomethane	<0.95		0.95	2.5
1,1-Dichloroethane	9.3		1.2	2.5
1,2-Dichloroethane	<0.95		0.95	2.5
1,1-Dichloroethene	2.9		1.2	2.5
1,2-Dichloropropane	<1.1		1.1	2.5
1,3-Dichloropropane	<0.95		0.95	2.5
2,2-Dichloropropane	<1.6		1.6	2.5
1,1-Dichloropropene	<0.95		0.95	2.5
Ethylbenzene	<0.90		0.90	2.5
Methylene Chloride	<1.0		1.0	2.5
Methyl tert-butyl ether	<0.65		0.65	2.5
m-Xylene & p-Xylene	<1.7		1.7	2.5
o-Xylene	<0.55		0.55	2.5
Styrene	<1.5		1.5	2.5
1,1,1,2-Tetrachloroethane	<1.0		1.0	2.5
1,1,2,2-Tetrachloroethane	<0.75		0.75	2.5
Tetrachloroethene	150		1.1	2.5
Toluene	<1.0		1.0	2.5
trans-1,2-Dichloroethene	2.5		1.1	2.5
trans-1,3-Dichloropropene	<1.0		1.0	2.5
1,2,4-Trichlorobenzene	<1.9		1.9	2.5
1,1,1-Trichloroethane	98		0.80	2.5
1,1,2-Trichloroethane	<1.2		1.2	2.5
Trichloroethene	180		1.0	2.5
1,2,3-Trichloropropane	<1.1		1.1	2.5
Vinyl chloride	<1.4		1.4	2.5

Analytical Data

Client: TestAmerica Laboratories, Inc.

Job Number: 680-46033-1

Client Sample ID: MW-02

Lab Sample ID: 680-46033-9

Client Matrix: Drinking Water

Date Sampled: 03/31/2009 1105

Date Received: 04/02/2009 0851

624.2 Volatile Organic Compounds (GC/MS)

Method:	524.2	Analysis Batch:	680-134867	Instrument ID:	GC/MS Volatiles - U
Preparation:	N/A			Lab File ID:	u1363.d
Dilution:	5.0			Initial Weight/Volume:	5 mL
Date Analyzed:	04/09/2009 2113			Final Weight/Volume:	5 mL
Date Prepared:	N/A				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Xylenes, Total	<2.2		2.2	2.5

Surrogate	%Rec	Acceptance Limits
4-Bromofluorobenzene	92 ✓	70 - 130
1,2-Dichlorobenzene-d4	86 ✓	70 - 130

Analytical Data

Client: TestAmerica Laboratories, Inc.

Job Number: 680-46033-1

Client Sample ID: MW-P1

Lab Sample ID: 680-46033-10
Client Matrix: Drinking WaterDate Sampled: 03/31/2009 1140
Date Received: 04/02/2009 0851

624.2 Volatile Organic Compounds (GC/MS)

Method:	524.2	Analysis Batch:	680-134867	Instrument ID:	GC/MS Volatiles - U
Preparation:	N/A			Lab File ID:	u1364.d
Dilution:	1.0			Initial Weight/Volume:	5 mL
Date Analyzed:	04/09/2009 2133			Final Weight/Volume:	5 mL
Date Prepared:	N/A				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Benzene	<0.19		0.19	0.50
Bromobenzene	<0.13		0.13	0.50
Bromoform	<0.17		0.17	0.50
Bromomethane	<0.49		0.49	1.0
Carbon tetrachloride	<0.38		0.38	0.50
Chlorobenzene	<0.19		0.19	0.50
Chlorodibromomethane	<0.16		0.16	0.50
Chloroethane	<0.36		0.36	1.0
Chloroform	<0.20		0.20	0.50
Chloromethane	<0.31		0.31	0.50
2-Chlorotoluene	<0.18		0.18	0.50
4-Chlorotoluene	<0.18		0.18	0.50
cis-1,2-Dichloroethene	<0.25		0.25	0.50
cis-1,3-Dichloropropene	<0.16		0.16	0.50
Dibromomethane	<0.18		0.18	0.50
1,2-Dichlorobenzene	<0.23		0.23	0.50
1,3-Dichlorobenzene	<0.19		0.19	0.50
1,4-Dichlorobenzene	<0.17		0.17	0.50
Dichlorobromomethane	<0.19		0.19	0.50
1,1-Dichloroethane	<0.23		0.23	0.50
1,2-Dichloroethane	<0.19		0.19	0.50
1,1-Dichloroethene	0.38	J	0.24	0.50
1,2-Dichloropropane	<0.22		0.22	0.50
1,3-Dichloropropane	<0.19		0.19	0.50
2,2-Dichloropropane	<0.33		0.33	0.50
1,1-Dichloropropene	<0.19		0.19	0.50
Ethylbenzene	<0.18		0.18	0.50
Methylene Chloride	<0.21		0.21	0.50
Methyl tert-butyl ether	<0.13		0.13	0.50
m-Xylene & p-Xylene	<0.34		0.34	0.50
o-Xylene	<0.11		0.11	0.50
Styrene	<0.30		0.30	0.50
1,1,1,2-Tetrachloroethane	<0.20		0.20	0.50
1,1,2,2-Tetrachloroethane	<0.15		0.15	0.50
Tetrachloroethene	41		0.22	0.50
Toluene	<0.21		0.21	0.50
trans-1,2-Dichloroethene	0.33	J	0.22	0.50
trans-1,3-Dichloropropene	<0.21		0.21	0.50
1,2,4-Trichlorobenzene	<0.38		0.38	0.50
1,1,1-Trichloroethane	22		0.16	0.50
1,1,2-Trichloroethane	<0.25		0.25	0.50
Trichloroethene	27		0.20	0.50
1,2,3-Trichloropropane	<0.22		0.22	0.50
Vinyl chloride	<0.29		0.29	0.50

Analytical Data

Client: TestAmerica Laboratories, Inc.

Job Number: 680-46033-1

Client Sample ID: MW-P1

Lab Sample ID: 680-46033-10

Client Matrix: Drinking Water

Date Sampled: 03/31/2009 1140

Date Received: 04/02/2009 0851

524.2 Volatile Organic Compounds (GC/MS)

Method:	524.2	Analysis Batch:	680-134867	Instrument ID:	GC/MS Volatiles - U
Preparation:	N/A			Lab File ID:	u1364.d
Dilution:	1.0			Initial Weight/Volume:	5 mL
Date Analyzed:	04/09/2009 2133			Final Weight/Volume:	5 mL
Date Prepared:	N/A				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Xylenes, Total	<0.44		0.44	0.50

Surrogate	%Rec	Acceptance Limits
4-Bromofluorobenzene	92 ✓	70 - 130
1,2-Dichlorobenzene-d4	89 ✓	70 - 130

Analytical Data

Client: TestAmerica Laboratories, Inc.

Job Number: 680-46033-1

Client Sample ID: MW-04D

Lab Sample ID: 680-46033-11
Client Matrix: Drinking Water

Date Sampled: 03/31/2009 1215
Date Received: 04/02/2009 0851

624.2 Volatile Organic Compounds (GC/MS)

Method:	524.2	Analysis Batch: 680-134867	Instrument ID:	GC/MS Volatiles - U
Preparation:	N/A		Lab File ID:	u1347.d
Dilution:	1.0		Initial Weight/Volume:	5 mL
Date Analyzed:	04/09/2009 1514		Final Weight/Volume:	5 mL
Date Prepared:	N/A			

Analyte	Result (ug/L)	Qualifier	MDL	RL
Benzene	<0.19		0.19	0.50
Bromobenzene	<0.13		0.13	0.50
Bromoform	0.23	J	0.17	0.50
Bromomethane	<0.49		0.49	1.0
Carbon tetrachloride	<0.38		0.38	0.50
Chlorobenzene	<0.19		0.19	0.50
Chlorodibromomethane	2.0		0.16	0.50
Chloroethane	<0.36		0.36	1.0
Chloroform	6.6	<i>OV >10x TB Contamination</i>		
Chloromethane	<0.31		0.31	0.50
2-Chlorotoluene	<0.18		0.18	0.50
4-Chlorotoluene	<0.18		0.18	0.50
cis-1,2-Dichloroethene	<0.25		0.25	0.50
cis-1,3-Dichloropropene	<0.16		0.16	0.50
Dibromomethane	<0.18		0.18	0.50
1,2-Dichlorobenzene	<0.23		0.23	0.50
1,3-Dichlorobenzene	<0.19		0.19	0.50
1,4-Dichlorobenzene	<0.17		0.17	0.50
Dichlorobromomethane	2.8		0.19	0.50
1,1-Dichloroethane	8.4		0.23	0.50
1,2-Dichloroethane	<0.19		0.19	0.50
1,1-Dichloroethene	0.81		0.24	0.50
1,2-Dichloropropane	<0.22		0.22	0.50
1,3-Dichloropropane	<0.19		0.19	0.50
2,2-Dichloropropane	<0.33		0.33	0.50
1,1-Dichloropropene	<0.19		0.19	0.50
Ethylbenzene	<0.18		0.18	0.50
Methylene Chloride	<0.21		0.21	0.50
Methyl tert-butyl ether	<0.13		0.13	0.50
m-Xylene & p-Xylene	<0.34		0.34	0.50
o-Xylene	<0.11		0.11	0.50
Styrene	<0.30		0.30	0.50
1,1,1,2-Tetrachloroethane	<0.20		0.20	0.50
1,1,2,2-Tetrachloroethane	<0.15		0.15	0.50
Tetrachloroethene	64		0.22	0.50
Toluene	<0.21		0.21	0.50
trans-1,2-Dichloroethene	0.75		0.22	0.50
trans-1,3-Dichloropropene	<0.21		0.21	0.50
1,2,4-Trichlorobenzene	<0.38		0.38	0.50
1,1,1-Trichloroethane	40		0.16	0.50
1,1,2-Trichloroethane	<0.25		0.25	0.50
Trichloroethene	91		0.20	0.50
1,2,3-Trichloropropane	<0.22		0.22	0.50
Vinyl chloride	<0.29		0.29	0.50

Analytical Data

Client: TestAmerica Laboratories, Inc.

Job Number: 680-46033-1

Client Sample ID: MW-04D

Lab Sample ID: 680-46033-11

Client Matrix: Drinking Water

Date Sampled: 03/31/2009 1215

Date Received: 04/02/2009 0851

524.2 Volatile Organic Compounds (GC/MS)

Method:	524.2	Analysis Batch:	680-134867	Instrument ID:	GC/MS Volatiles - U
Preparation:	N/A			Lab File ID:	u1347.d
Dilution:	1.0			Initial Weight/Volume:	5 mL
Date Analyzed:	04/09/2009 1514			Final Weight/Volume:	5 mL
Date Prepared:	N/A				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Xylenes, Total	<0.44		0.44	0.50
Surrogate	%Rec		Acceptance Limits	
4-Bromofluorobenzene	92 ✓		70 - 130	
1,2-Dichlorobenzene-d4	88 ✓		70 - 130	

Analytical Data

Client: TestAmerica Laboratories, Inc.

Job Number: 680-46033-1

Client Sample ID: TRIP BLANK

Lab Sample ID: 680-46033-12TB

Date Sampled: 03/31/2009 0000

Client Matrix: Drinking Water

Date Received: 04/02/2009 0851

624.2 Volatile Organic Compounds (GC/MS)

Method:	524.2	Analysis Batch: 680-134686	Instrument ID:	GC/MS Volatiles - S
Preparation:	N/A		Lab File ID:	s0554.d
Dilution:	1.0		Initial Weight/Volume:	5 mL
Date Analyzed:	04/06/2009 1653		Final Weight/Volume:	5 mL
Date Prepared:	N/A			

Analyte	Result (ug/L)	Qualifier	MDL	RL
Benzene	<0.19		0.19	0.50
Bromobenzene	<0.13		0.13	0.50
Bromoform	<0.17		0.17	0.50
Bromomethane	<0.49		0.49	1.0
Carbon tetrachloride	<0.38		0.38	0.50
Chlorobenzene	<0.19		0.19	0.50
Chlorodibromomethane	<0.16		0.16	0.50
Chloroethane	<0.36		0.36	1.0
Chloroform	0.22	J	0.20	0.50
Chloromethane	<0.31		0.31	0.50
2-Chlorotoluene	<0.18		0.18	0.50
4-Chlorotoluene	<0.18		0.18	0.50
cis-1,2-Dichloroethene	<0.25		0.25	0.50
cis-1,3-Dichloropropene	<0.16		0.16	0.50
Dibromomethane	<0.18		0.18	0.50
1,2-Dichlorobenzene	<0.23		0.23	0.50
1,3-Dichlorobenzene	<0.19		0.19	0.50
1,4-Dichlorobenzene	<0.17		0.17	0.50
Dichlorobromomethane	<0.19		0.19	0.50
1,1-Dichloroethane	<0.23		0.23	0.50
1,2-Dichloroethane	<0.19		0.19	0.50
1,1-Dichloroethene	<0.24		0.24	0.50
1,2-Dichloropropane	<0.22		0.22	0.50
1,3-Dichloropropane	<0.19		0.19	0.50
2,2-Dichloropropane	<0.33		0.33	0.50
1,1-Dichloropropene	<0.19		0.19	0.50
Ethylbenzene	<0.18		0.18	0.50
Methylene Chloride	<0.21		0.21	0.50
Methyl tert-butyl ether	<0.13		0.13	0.50
m-Xylene & p-Xylene	<0.34		0.34	0.50
o-Xylene	<0.11		0.11	0.50
Styrene	<0.30		0.30	0.50
1,1,1,2-Tetrachloroethane	<0.20		0.20	0.50
1,1,2,2-Tetrachloroethane	<0.15		0.15	0.50
Tetrachloroethene	<0.22		0.22	0.50
Toluene	<0.21		0.21	0.50
trans-1,2-Dichloroethene	<0.22		0.22	0.50
trans-1,3-Dichloropropene	<0.21		0.21	0.50
1,2,4-Trichlorobenzene	<0.38		0.38	0.50
1,1,1-Trichloroethane	<0.16		0.16	0.50
1,1,2-Trichloroethane	<0.25		0.25	0.50
Trichloroethene	<0.20		0.20	0.50
1,2,3-Trichloropropane	<0.22		0.22	0.50
Vinyl chloride	<0.29		0.29	0.50

Analytical Data

Client: TestAmerica Laboratories, Inc.

Job Number: 680-46033-1

Client Sample ID: TRIP BLANK

Lab Sample ID: 680-46033-12TB

Date Sampled: 03/31/2009 0000

Client Matrix: Drinking Water

Date Received: 04/02/2009 0851

524.2 Volatile Organic Compounds (GC/MS)

Method: 524.2
Preparation: N/A
Dilution: 1.0
Date Analyzed: 04/06/2009 1653
Date Prepared: N/A

Analysis Batch: 680-134686

Instrument ID: GC/MS Volatiles - S

Lab File ID: s0554.d

Initial Weight/Volume: 5 mL

Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Xylenes, Total	<0.44		0.44	0.50

Surrogate	%Rec	Acceptance Limits
4-Bromofluorobenzene	103 ✓	70 - 130
1,2-Dichlorobenzene-d4	106 ✓	70 - 130

DATA REPORTING QUALIFIERS

Client: TestAmerica Laboratories, Inc.

Job Number: 680-46033-1

Lab Section	Qualifier	Description
GC/MS VOA		
	F	MS or MSD exceeds the control limits
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Quality Control Results

Client: TestAmerica Laboratories, Inc.

Job Number: 680-46033-1

Method Blank - Batch: 680-134686

Method: 524.2

Preparation: N/A

Lab Sample ID: MB 680-134686/19
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 04/06/2009 1444
Date Prepared: N/A

Analysis Batch: 680-134686
Prep Batch: N/A
Units: ug/L

Instrument ID: GC/MS Volatiles - S
Lab File ID: sq324.d
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result	Qual.	MDL	RL
Benzene	<0.19		0.19	0.50
Bromobenzene	<0.13		0.13	0.50
Bromoform	<0.17		0.17	0.50
Bromomethane	<0.49		0.49	1.0
Carbon tetrachloride	<0.38		0.38	0.50
Chlorobenzene	<0.19		0.19	0.50
Chlorodibromomethane	<0.16		0.16	0.50
Chloroethane	<0.36		0.36	1.0
Chloroform	<0.20		0.20	0.50
Chloromethane	<0.31		0.31	0.50
2-Chlorotoluene	<0.18		0.18	0.50
4-Chlorotoluene	<0.18		0.18	0.50
cis-1,2-Dichloroethene	<0.25		0.25	0.50
cis-1,3-Dichloropropene	<0.16		0.16	0.50
Dibromomethane	<0.18		0.18	0.50
1,2-Dichlorobenzene	<0.23		0.23	0.50
1,3-Dichlorobenzene	<0.19		0.19	0.50
1,4-Dichlorobenzene	<0.17		0.17	0.50
Dichlorobromomethane	<0.19		0.19	0.50
1,1-Dichloroethane	<0.23		0.23	0.50
1,2-Dichloroethane	<0.19		0.19	0.50
1,1-Dichloroethene	<0.24		0.24	0.50
1,2-Dichloropropane	<0.22		0.22	0.50
1,3-Dichloropropane	<0.19		0.19	0.50
2,2-Dichloropropane	<0.33		0.33	0.50
1,1-Dichloropropene	<0.19		0.19	0.50
Ethylbenzene	<0.18		0.18	0.50
Methylene Chloride	<0.21		0.21	0.50
Methyl tert-butyl ether	<0.13		0.13	0.50
m-Xylene & p-Xylene	<0.34		0.34	0.50
c-Xylene	<0.11		0.11	0.50
Styrene	<0.30		0.30	0.50
1,1,1,2-Tetrachloroethane	<0.20		0.20	0.50
1,1,2,2-Tetrachloroethane	<0.15		0.15	0.50
Tetrachloroethene	<0.22		0.22	0.50
Toluene	<0.21		0.21	0.50
trans-1,2-Dichloroethene	<0.22		0.22	0.50
trans-1,3-Dichloropropene	<0.21		0.21	0.50
1,2,4-Trichlorobenzene	<0.38		0.38	0.50
1,1,1-Trichloroethane	<0.16		0.16	0.50
1,1,2-Trichloroethane	<0.25	✓	0.25	0.50

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: TestAmerica Laboratories, Inc.

Job Number: 680-46033-1

Method Blank - Batch: 680-134686

Method: 524.2

Preparation: N/A

Lab Sample ID: MB 680-134686/19

Analysis Batch: 680-134686

Instrument ID: GC/MS Volatiles - S

Client Matrix: Water

Prep Batch: N/A

Lab File ID: sq324.d

Dilution: 1.0

Units: ug/L

Initial Weight/Volume: 5 mL

Date Analyzed: 04/06/2009 1444

Final Weight/Volume: 5 mL

Date Prepared: N/A

Analyte	Result	Qual	MDL	RL
Trichloroethene	<0.20		0.20	0.50
1,2,3-Trichloropropane	<0.22		0.22	0.50
Vinyl chloride	<0.29		0.29	0.50
Xylenes, Total	<0.44	✓	0.44	0.50
Surrogate	% Rec		Acceptance Limits	
4-Bromofluorobenzene	97	✓	70 - 130	
1,2-Dichlorobenzene-d4	101	✓	70 - 130	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: TestAmerica Laboratories, Inc.

Job Number: 680-46033-1

**Lab Control Spike/
Lab Control Spike Duplicate Recovery Report - Batch: 680-134686**

Method: 524.2

Preparation: N/A

LCS Lab Sample ID: LCS 680-134686/16
 Client Matrix: Water
 Dilution: 1.0
 Date Analyzed: 04/06/2009 1300
 Date Prepared: N/A

Analysis Batch: 680-134686
 Prep Batch: N/A
 Units: ug/L

Instrument ID: GC/MS Volatiles - S
 Lab File ID: sq320.d
 Initial Weight/Volume: 5 mL
 Final Weight/Volume: 5 mL

LCSD Lab Sample ID: LCSD 680-134686/17
 Client Matrix: Water
 Dilution: 1.0
 Date Analyzed: 04/06/2009 1321
 Date Prepared: N/A

Analysis Batch: 680-134686
 Prep Batch: N/A
 Units: ug/L

Instrument ID: GC/MS Volatiles - S
 Lab File ID: sq321.d
 Initial Weight/Volume: 5 mL
 Final Weight/Volume: 5 mL

Analyte	% Rec.						
	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Benzene	101	101	70 - 130	0	30		
Bromobenzene	97	98	70 - 130	2	30		
Bromoform	106	104	70 - 130	2	30		
Bromomethane	128	125	70 - 130	3	30		
Carbon tetrachloride	105	107	70 - 130	2	30		
Chlorobenzene	101	101	70 - 130	0	30		
Chlorodibromomethane	101	103	70 - 130	3	30		
Chloroethane	106	105	70 - 130	1	30		
Chloroform	101	101	70 - 130	1	30		
Chloromethane	94	89	70 - 130	6	30		
2-Chlorotoluene	100	101	70 - 130	2	30		
4-Chlorotoluene	102	102	70 - 130	1	30		
cis-1,2-Dichloroethene	97	100	70 - 130	3	30		
cis-1,3-Dichloropropene	104	102	70 - 130	2	30		
Dibromomethane	100	101	70 - 130	1	30		
1,2-Dichlorobenzene	99	101	70 - 130	2	30		
1,3-Dichlorobenzene	99	99	70 - 130	0	30		
1,4-Dichlorobenzene	100	101	70 - 130	1	30		
Dichlorobromomethane	103	103	70 - 130	1	30		
1,1-Dichloroethane	101	100	70 - 130	1	30		
1,2-Dichloroethane	103	103	70 - 130	0	30		
1,1-Dichloroethene	101	103	70 - 130	2	30		
1,2-Dichloropropane	99	98	70 - 130	1	30		
1,3-Dichloropropane	100	101	70 - 130	1	30		
2,2-Dichloropropane	108	109	70 - 130	1	30		
1,1-Dichloropropene	102	101	70 - 130	0	30		
Ethylbenzene	104	104	70 - 130	0	30		
Methylene Chloride	96	95	70 - 130	1	30		
Methyl tert-butyl ether	116	115	70 - 130	1	30		
m-Xylene & p-Xylene	103	103	70 - 130	0	30		
o-Xylene	101	101	70 - 130	0	30		
Styrene	102	107	70 - 130	4	30		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: TestAmerica Laboratories, Inc.

Job Number: 680-46033-1

Lab Control Spike/

Lab Control Spike Duplicate Recovery Report - Batch: 680-134686

Method: 524.2

Preparation: N/A

LCS Lab Sample ID: LCS 680-134686/16
 Client Matrix: Water
 Dilution: 1.0
 Date Analyzed: 04/06/2009 1300
 Date Prepared: N/A

Analysis Batch: 680-134686
 Prep Batch: N/A
 Units: ug/L

Instrument ID: GC/MS Volatiles - S
 Lab File ID: sq320.d
 Initial Weight/Volume: 5 mL
 Final Weight/Volume: 5 mL

LCSD Lab Sample ID: LCSD 680-134686/17
 Client Matrix: Water
 Dilution: 1.0
 Date Analyzed: 04/06/2009 1321
 Date Prepared: N/A

Analysis Batch: 680-134686
 Prep Batch: N/A
 Units: ug/L

Instrument ID: GC/MS Volatiles - S
 Lab File ID: sq321.d
 Initial Weight/Volume: 5 mL
 Final Weight/Volume: 5 mL

Analyte	% Rec.		RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD				
1,1,1,2-Tetrachloroethane	98	98	70 - 130	0	30	
1,1,2,2-Tetrachloroethane	103	103	70 - 130	0	30	
Tetrachloroethylene	100	104	70 - 130	4	30	
Toluene	102	102	70 - 130	0	30	
trans-1,2-Dichloroethene	102	100	70 - 130	2	30	
trans-1,3-Dichloropropene	108	105	70 - 130	2	30	
1,2,4-Trichlorobenzene	104	112	70 - 130	7	30	
1,1,1-Trichloroethane	106	106	70 - 130	0	30	
1,1,2-Trichloroethane	102	102	70 - 130	0	30	
Trichloroethylene	101	100	70 - 130	1	30	
1,2,3-Trichloropropane	101	102	70 - 130	1	30	
Vinyl chloride	108	103	70 - 130	5	30	
Xylenes, Total	102	102	70 - 130	0	30	
Surrogate	<input checked="" type="checkbox"/> LCS % Rec		<input checked="" type="checkbox"/> LCSD % Rec		Acceptance Limits	
4-Bromofluorobenzene	107		110		70 - 130	
1,2-Dichlorobenzene-d4	109		111		70 - 130	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: TestAmerica Laboratories, Inc.

Job Number: 680-46033-1

Method Blank - Batch: 680-134867

Method: 524.2

Preparation: N/A

Lab Sample ID: MB 680-134867/22
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 04/09/2009 1226
Date Prepared: N/A

Analysis Batch: 680-134867
Prep Batch: N/A
Units: ug/L

Instrument ID: GC/MS Volatiles - U
Lab File ID: uq240.d
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result	Qual	MDL	RL
Benzene	<0.19		0.19	0.50
Bromobenzene	<0.13		0.13	0.50
Bromoform	<0.17		0.17	0.50
Bromomethane	<0.49		0.49	1.0
Carbon tetrachloride	<0.38		0.38	0.50
Chlorobenzene	<0.19		0.19	0.50
Chlorodibromomethane	<0.16		0.16	0.50
Chloroethane	<0.36		0.36	1.0
Chloroform	<0.20		0.20	0.50
Chloromethane	<0.31		0.31	0.50
2-Chlorotoluene	<0.18		0.18	0.50
4-Chlorotoluene	<0.18		0.18	0.50
cis-1,2-Dichloroethene	<0.25		0.25	0.50
cis-1,3-Dichloropropene	<0.16		0.16	0.50
Dibromomethane	<0.18		0.18	0.50
1,2-Dichlorobenzene	<0.23		0.23	0.50
1,3-Dichlorobenzene	<0.19		0.19	0.50
1,4-Dichlorobenzene	<0.17		0.17	0.50
Dichlorobromomethane	<0.19		0.19	0.50
1,1-Dichloroethane	<0.23		0.23	0.50
1,2-Dichloroethane	<0.19		0.19	0.50
1,1-Dichloroethene	<0.24		0.24	0.50
1,2-Dichloropropane	<0.22		0.22	0.50
1,3-Dichloropropane	<0.19		0.19	0.50
2,2-Dichloropropane	<0.33		0.33	0.50
1,1-Dichloropropene	<0.19		0.19	0.50
Ethylbenzene	<0.18		0.18	0.50
Methylene Chloride	<0.21		0.21	0.50
Methyl tert-butyl ether	<0.13		0.13	0.50
m-Xylene & p-Xylene	<0.34		0.34	0.50
o-Xylene	<0.11		0.11	0.50
Styrene	<0.30		0.30	0.50
1,1,1,2-Tetrachloroethane	<0.20		0.20	0.50
1,1,2,2-Tetrachloroethane	<0.15		0.15	0.50
Tetrachloroethene	<0.22		0.22	0.50
Toluene	<0.21		0.21	0.50
trans-1,2-Dichloroethene	<0.22		0.22	0.50
trans-1,3-Dichloropropene	<0.21		0.21	0.50
1,2,4-Trichlorobenzene	<0.38		0.38	0.50
1,1,1-Trichloroethane	<0.16		0.16	0.50
1,1,2-Trichloroethane	<0.25		0.25	0.50

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: TestAmerica Laboratories, Inc.

Job Number: 680-46033-1

Method Blank - Batch: 680-134867

Method: 524.2

Preparation: N/A

Lab Sample ID: MB 680-134867/22
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 04/09/2009 1226
Date Prepared: N/A

Analysis Batch: 680-134867
Prep Batch: N/A
Units: ug/L

Instrument ID: GC/MS Volatiles - U
Lab File ID: uq240.d
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result	Qual	MDL	RL
Trichloroethene	<0.20		0.20	0.50
1,2,3-Trichloropropane	<0.22		0.22	0.50
Vinyl chloride	<0.29	✓	0.29	0.50
Xylenes, Total	<0.44		0.44	0.50
Surrogate	% Rec		Acceptance Limits	
4-Bromofluorobenzene	93	✓	70 - 130	
1,2-Dichlorobenzene-d4	89	✓	70 - 130	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: TestAmerica Laboratories, Inc.

Job Number: 680-46033-1

**Lab Control Spike/
Lab Control Spike Duplicate Recovery Report - Batch: 680-134867**

Method: 524.2

Preparation: N/A

LCS Lab Sample ID:	LCS 680-134867/20	Analysis Batch:	680-134867	Instrument ID:	GC/MS Volatiles - U
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	uq238.d
Dilution:	1.0	Units:	ug/L	Initial Weight/Volume:	5 mL
Date Analyzed:	04/09/2009 1106			Final Weight/Volume:	5 mL
Date Prepared:	N/A				

LCSD Lab Sample ID:	LCSD 680-134867/21	Analysis Batch:	680-134867	Instrument ID:	GC/MS Volatiles - U
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	uq239.d
Dilution:	1.0	Units:	ug/L	Initial Weight/Volume:	5 mL
Date Analyzed:	04/09/2009 1126			Final Weight/Volume:	5 mL
Date Prepared:	N/A				

Analyte	% Rec.						
	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Benzene	96	91	70 - 130	5	30		
Bromobenzene	95	94	70 - 130	1	30		
Bromoform	102	101	70 - 130	1	30		
Bromomethane	111	109	70 - 130	2	30		
Carbon tetrachloride	121	110	70 - 130	9	30		
Chlorobenzene	96	92	70 - 130	4	30		
Chlorodibromomethane	124	119	70 - 130	4	30		
Chloroethane	101	91	70 - 130	10	30		
Chloroform	98	94	70 - 130	4	30		
Chloromethane	108	103	70 - 130	4	30		
2-Chlorotoluene	99	93	70 - 130	7	30		
4-Chlorotoluene	96	94	70 - 130	2	30		
cis-1,2-Dichloroethene	85	78	70 - 130	8	30		
cis-1,3-Dichloropropene	101	100	70 - 130	2	30		
Dibromomethane	97	93	70 - 130	4	30		
1,2-Dichlorobenzene	97	94	70 - 130	3	30		
1,3-Dichlorobenzene	97	94	70 - 130	3	30		
1,4-Dichlorobenzene	93	91	70 - 130	2	30		
Dichlorobromomethane	108	104	70 - 130	4	30		
1,1-Dichloroethane	97	91	70 - 130	7	30		
1,2-Dichloroethane	89	87	70 - 130	3	30		
1,1-Dichloroethene	94	91	70 - 130	3	30		
1,2-Dichloropropane	103	97	70 - 130	7	30		
1,3-Dichloropropane	97	94	70 - 130	3	30		
2,2-Dichloropropane	101	96	70 - 130	5	30		
1,1-Dichloropropene	96	90	70 - 130	6	30		
Ethylbenzene	95	90	70 - 130	6	30		
Methylene Chloride	95	93	70 - 130	2	30		
Methyl tert-butyl ether	117	114	70 - 130	2	30		
m-Xylene & p-Xylene	98	92	70 - 130	6	30		
o-Xylene	101	98	70 - 130	3	30		
Styrene	104 ✓	101 ✓	70 - 130	3	30		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: TestAmerica Laboratories, Inc.

Job Number: 680-46033-1

**Lab Control Spike/
Lab Control Spike Duplicate Recovery Report - Batch: 680-134867**

Method: 524.2

Preparation: N/A

LCS Lab Sample ID: LCS 680-134867/20
 Client Matrix: Water
 Dilution: 1.0
 Date Analyzed: 04/09/2009 1106
 Date Prepared: N/A

Analysis Batch: 680-134867
 Prep Batch: N/A
 Units: ug/L

Instrument ID: GC/MS Volatiles - U
 Lab File ID: uq238.d
 Initial Weight/Volume: 5 mL
 Final Weight/Volume: 5 mL

LCSD Lab Sample ID: LCSD 680-134867/21
 Client Matrix: Water
 Dilution: 1.0
 Date Analyzed: 04/09/2009 1126
 Date Prepared: N/A

Analysis Batch: 680-134867
 Prep Batch: N/A
 Units: ug/L

Instrument ID: GC/MS Volatiles - U
 Lab File ID: uq239.d
 Initial Weight/Volume: 5 mL
 Final Weight/Volume: 5 mL

Analyte	% Rec.		RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD				
1,1,1,2-Tetrachloroethane	120	114	70 - 130	5	30	
1,1,2,2-Tetrachloroethane	100	99	70 - 130	1	30	
Tetrachloroethene	95	90	70 - 130	6	30	
Toluene	99	94	70 - 130	5	30	
trans-1,2-Dichloroethene	89	84	70 - 130	6	30	
trans-1,3-Dichloropropene	107	104	70 - 130	3	30	
1,2,4-Trichlorobenzene	100	99	70 - 130	2	30	
1,1,1-Trichloroethane	101	93	70 - 130	9	30	
1,1,2-Trichloroethane	98	92	70 - 130	6	30	
Trichloroethene	101	95	70 - 130	6	30	
1,2,3-Trichloropropane	97	98	70 - 130	1	30	
Vinyl chloride	116	107	70 - 130	9	30	
Xylenes, Total	99	94	70 - 130	5	30	
Surrogate	LCS % Rec	LCSD % Rec			Acceptance Limits	
4-Bromofluorobenzene	99	98			70 - 130	
1,2-Dichlorobenzene-d4	103	102			70 - 130	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: TestAmerica Laboratories, Inc.

Job Number: 680-46033-1

Method Blank - Batch: 680-134919

Method: 524.2

Preparation: N/A

Lab Sample ID: MB 680-134919/7
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 04/10/2009 1137
Date Prepared: N/A

Analysis Batch: 680-134919
Prep Batch: N/A
Units: ug/L

Instrument ID: GC/MS Volatiles - U
Lab File ID: uq246.d
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result	Qual	MDL	RL
Benzene	<0.19		0.19	0.50
Bromobenzene	<0.13		0.13	0.50
Bromoform	<0.17		0.17	0.50
Bromomethane	<0.49		0.49	1.0
Carbon tetrachloride	<0.38		0.38	0.50
Chlorobenzene	<0.19		0.19	0.50
Chlorodibromomethane	<0.16		0.16	0.50
Chloroethane	<0.36		0.36	1.0
Chloroform	<0.20		0.20	0.50
Chloromethane	<0.31		0.31	0.50
2-Chlorotoluene	<0.18		0.18	0.50
4-Chlorotoluene	<0.18		0.18	0.50
cis-1,2-Dichloroethene	<0.25		0.25	0.50
cis-1,3-Dichloropropene	<0.16		0.16	0.50
Dibromomethane	<0.18		0.18	0.50
1,2-Dichlorobenzene	<0.23		0.23	0.50
1,3-Dichlorobenzene	<0.19		0.19	0.50
1,4-Dichlorobenzene	<0.17		0.17	0.50
Dichlorobromomethane	<0.19		0.19	0.50
1,1-Dichloroethane	<0.23		0.23	0.50
1,2-Dichloroethane	<0.19		0.19	0.50
1,1-Dichloroethene	<0.24		0.24	0.50
1,2-Dichloropropane	<0.22		0.22	0.50
1,3-Dichloropropane	<0.19		0.19	0.50
2,2-Dichloropropane	<0.33		0.33	0.50
1,1-Dichloropropene	<0.19		0.19	0.50
Ethylbenzene	<0.18		0.18	0.50
Methylene Chloride	<0.21		0.21	0.50
Methyl tert-butyl ether	<0.13		0.13	0.50
m-Xylene & p-Xylene	<0.34		0.34	0.50
o-Xylene	<0.11		0.11	0.50
Styrene	<0.30		0.30	0.50
1,1,1,2-Tetrachloroethane	<0.20		0.20	0.50
1,1,2,2-Tetrachloroethane	<0.15		0.15	0.50
Tetrachloroethene	<0.22		0.22	0.50
Toluene	<0.21		0.21	0.50
trans-1,2-Dichloroethene	<0.22		0.22	0.50
trans-1,3-Dichloropropene	<0.21		0.21	0.50
1,2,4-Trichlorobenzene	<0.38		0.38	0.50
1,1,1-Trichloroethane	<0.16		0.16	0.50
1,1,2-Trichloroethane	<0.25	✓	0.25	0.50

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: TestAmerica Laboratories, Inc.

Job Number: 680-46033-1

Method Blank - Batch: 680-134919

Method: 524.2

Preparation: N/A

Lab Sample ID: MB 680-134919/7
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 04/10/2009 1137
Date Prepared: N/A

Analysis Batch: 680-134919
Prep Batch: N/A
Units: ug/L

Instrument ID: GC/MS Volatiles - U
Lab File ID: uq246.d
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result	Qual	MDL	RL
Trichloroethene	<0.20		0.20	0.50
1,2,3-Trichloropropane	<0.22		0.22	0.50
Vinyl chloride	<0.29	✓	0.29	0.50
Xylenes, Total	<0.44		0.44	0.50
Surrogate	% Rec		Acceptance Limits	
4-Bromofluorobenzene	91	✓	70 - 130	
1,2-Dichlorobenzene-d4	87	✓	70 - 130	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: TestAmerica Laboratories, Inc.

Job Number: 680-46033-1

**Lab Control Spike/
Lab Control Spike Duplicate Recovery Report - Batch: 680-134919**

Method: 524.2

Preparation: N/A

LCS Lab Sample ID:	LCS 680-134919/5	Analysis Batch:	680-134919	Instrument ID:	GC/MS Volatiles - U
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	uq244.d
Dilution:	1.0	Units:	ug/L	Initial Weight/Volume:	5 mL
Date Analyzed:	04/10/2009 1018			Final Weight/Volume:	5 mL
Date Prepared:	N/A				

LCSD Lab Sample ID:	LCSD 680-134919/6	Analysis Batch:	680-134919	Instrument ID:	GC/MS Volatiles - U
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	uq245.d
Dilution:	1.0	Units:	ug/L	Initial Weight/Volume:	5 mL
Date Analyzed:	04/10/2009 1038			Final Weight/Volume:	5 mL
Date Prepared:	N/A				

Analyte	% Rec.						
	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Benzene	91	81	70 - 130	11	30		
Bromobenzene	90	83	70 - 130	9	30		
Bromoform	93	87	70 - 130	7	30		
Bromomethane	114	86	70 - 130	28	30		
Carbon tetrachloride	113	95	70 - 130	17	30		
Chlorobenzene	93	82	70 - 130	12	30		
Chlorodibromomethane	116	105	70 - 130	10	30		
Chloroethane	96	79	70 - 130	19	30		
Chloroform	93	84	70 - 130	10	30		
Chloromethane	101	87	70 - 130	15	30		
2-Chlorotoluene	93	83	70 - 130	11	30		
4-Chlorotoluene	93	83	70 - 130	11	30		
cis-1,2-Dichloroethylene	80	70	70 - 130	14	30		
cis-1,3-Dichloropropene	95	88	70 - 130	7	30		
Dibromomethane	91	84	70 - 130	8	30		
1,2-Dichlorobenzene	93	84	70 - 130	10	30		
1,3-Dichlorobenzene	93	84	70 - 130	11	30		
1,4-Dichlorobenzene	90	81	70 - 130	10	30		
Dichlorobromomethane	100	89	70 - 130	12	30		
1,1-Dichloroethane	93	81	70 - 130	14	30		
1,2-Dichloroethane	83	77	70 - 130	8	30		
1,1-Dichloroethene	88	78	70 - 130	12	30		
1,2-Dichloropropane	97	88	70 - 130	9	30		
1,3-Dichloropropane	91	84	70 - 130	8	30		
2,2-Dichloropropane	94	81	70 - 130	15	30		
1,1-Dichloropropene	91	77	70 - 130	16	30		
Ethylbenzene	90	80	70 - 130	11	30		
Methylene Chloride	91	81	70 - 130	12	30		
Methyl tert-butyl ether	124	111	70 - 130	11	30		
m-Xylene & p-Xylene	94	83	70 - 130	13	30		
o-Xylene	97	86	70 - 130	12	30		
Styrene	99	89	70 - 130	11	30		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: TestAmerica Laboratories, Inc.

Job Number: 680-46033-1

Lab Control Spike/

Lab Control Spike Duplicate Recovery Report - Batch: 680-134919

Method: 524.2

Preparation: N/A

LCS Lab Sample ID: LCS 680-134919/5
 Client Matrix: Water
 Dilution: 1.0
 Date Analyzed: 04/10/2009 1018
 Date Prepared: N/A

Analysis Batch: 680-134919

Prep Batch: N/A
 Units: ug/L

Instrument ID: GC/MS Volatiles - U
 Lab File ID: uq244.d
 Initial Weight/Volume: 5 mL
 Final Weight/Volume: 5 mL

LCSD Lab Sample ID: LCSD 680-134919/6
 Client Matrix: Water
 Dilution: 1.0
 Date Analyzed: 04/10/2009 1038
 Date Prepared: N/A

Analysis Batch: 680-134919

Prep Batch: N/A
 Units: ug/L

Instrument ID: GC/MS Volatiles - U
 Lab File ID: uq245.d
 Initial Weight/Volume: 5 mL
 Final Weight/Volume: 5 mL

Analyte	% Rec.		RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD				
1,1,1,2-Tetrachloroethane	111	100	70 - 130	10	30	
1,1,2,2-Tetrachloroethane	97	90	70 - 130	8	30	
Tetrachloroethene	92	81	70 - 130	13	30	
Toluene	94	83	70 - 130	13	30	
trans-1,2-Dichloroethene	86	72	70 - 130	18	30	
trans-1,3-Dichloropropene	98	92	70 - 130	7	30	
1,2,4-Trichlorobenzene	96	86	70 - 130	11	30	
1,1,1-Trichloroethane	93	82	70 - 130	13	30	
1,1,2-Trichloroethane	91	85	70 - 130	6	30	
Trichloroethene	95	80	70 - 130	17	30	
1,2,3-Trichloropropane	94	87	70 - 130	7	30	
Vinyl chloride	109	92	70 - 130	17	30	
Xylenes, Total	95	84	70 - 130	13	30	
Surrogate	✓		LCS % Rec	LCSD % Rec	✓	
4-Bromofluorobenzene	99		96		70 - 130	
1,2-Dichlorobenzene-d4	104		100		70 - 130	
	✓		✓		Acceptance Limits	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: TestAmerica Laboratories, Inc.

Job Number: 680-46033-1

Matrix Spike/

Matrix Spike Duplicate Recovery Report - Batch: 680-134919

Method: 524.2

Preparation: N/A

MS Lab Sample ID: 680-46033-9
 Client Matrix: Water
 Dilution: 5.0
 Date Analyzed: 04/10/2009 1241
 Date Prepared: N/A

Analysis Batch: 680-134919
 Prep Batch: N/A

Instrument ID: GC/MS Volatiles - U
 Lab File ID: u1366.d
 Initial Weight/Volume: 5 mL
 Final Weight/Volume: 5 mL

MSD Lab Sample ID: 680-46033-9
 Client Matrix: Water
 Dilution: 5.0
 Date Analyzed: 04/10/2009 1301
 Date Prepared: N/A

Analysis Batch: 680-134919
 Prep Batch: N/A

Instrument ID: GC/MS Volatiles - U
 Lab File ID: u1367.d
 Initial Weight/Volume: 5 mL
 Final Weight/Volume: 5 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Benzene	98	101	70 - 130	3	30		
Bromobenzene	101	106	70 - 130	6	30		
Bromoform	102	104	70 - 130	3	30		
Bromomethane	81	85	70 - 130	4	30		
Carbon tetrachloride	122	129	70 - 130	5	30		
Chlorobenzene	99	104	70 - 130	5	30		
Chlorodibromomethane	125	132	70 - 130	5	30		
Chloroethane	92	93	70 - 130	2	30		
Chloroform	101	106	70 - 130	5	30		
Chloromethane	107	115	70 - 130	7	30		
2-Chlorotoluene	100	106	70 - 130	6	30		
4-Chlorotoluene	99	104	70 - 130	5	30		
cis-1,2-Dichloroethene	86	91	70 - 130	5	30		
cis-1,3-Dichloropropene	101	106	70 - 130	5	30		
Dibromomethane	99	104	70 - 130	4	30		
1,2-Dichlorobenzene	100	104	70 - 130	5	30		
1,3-Dichlorobenzene	100	107	70 - 130	7	30		
1,4-Dichlorobenzene	96	103	70 - 130	7	30		
Dichlorobromomethane	108	112	70 - 130	4	30		
1,1-Dichloroethane	98	102	70 - 130	3	30		
1,2-Dichloroethane	92	96	70 - 130	4	30		
1,1-Dichloroethene	95	100	70 - 130	5	30		
1,2-Dichloropropane	107	112	70 - 130	4	30		
1,3-Dichloropropane	98	101	70 - 130	3	30		
2,2-Dichloropropane	92	100	70 - 130	8	30		
1,1-Dichloropropene	99	105	70 - 130	6	30		
Ethylbenzene	96	101	70 - 130	5	30		
Methylene Chloride	101	102	70 - 130	2	30		
Methyl tert-butyl ether	134	139	70 - 130	4	30	F	F

Calculations are performed before rounding to avoid round-off errors in calculated results.

✓

Quality Control Results

Client: TestAmerica Laboratories, Inc.

Job Number: 680-46033-1

**Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 680-134919**

Method: 524.2

Preparation: N/A

MS Lab Sample ID: 680-46033-9 Analysis Batch: 680-134919
 Client Matrix: Water Prep Batch: N/A
 Dilution: 5.0
 Date Analyzed: 04/10/2009 1241
 Date Prepared: N/A

Instrument ID: GC/MS Volatiles - U
 Lab File ID: u1366.d
 Initial Weight/Volume: 5 mL
 Final Weight/Volume: 5 mL

MSD Lab Sample ID: 680-46033-9 Analysis Batch: 680-134919
 Client Matrix: Water Prep Batch: N/A
 Dilution: 5.0
 Date Analyzed: 04/10/2009 1301
 Date Prepared: N/A

Instrument ID: GC/MS Volatiles - U
 Lab File ID: u1367.d
 Initial Weight/Volume: 5 mL
 Final Weight/Volume: 5 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
m-Xylene & p-Xylene	100	106	70 - 130	5	30		
o-Xylene	105	111	70 - 130	6	30		
Styrene	105	112	70 - 130	7	30		
1,1,1,2-Tetrachloroethane	120	126	70 - 130	5	30		
1,1,2,2-Tetrachloroethane	103	105	70 - 130	2	30		
Tetrachloroethylene	47	58	70 - 130	5	30	F	F
Toluene	102	106	70 - 130	5	30		
trans-1,2-Dichloroethene	93	97	70 - 130	4	30		
trans-1,3-Dichloropropene	105	111	70 - 130	6	30		
1,2,4-Trichlorobenzene	98	116	70 - 130	17	30		
1,1,1-Trichloroethane	63	69	70 - 130	4	30	F	F
1,1,2-Trichloroethane	103	105	70 - 130	2	30		
Trichloroethylene	41	42	70 - 130	1	30	F	F
1,2,3-Trichloropropane	100	104	70 - 130	4	30		
Vinyl chloride	115	122	70 - 130	6	30		
Xylenes, Total	102	108	70 - 130	6	30		
Surrogate	MS % Rec		MSD % Rec		Acceptance Limits		
4-Bromofluorobenzene	104		106		70 - 130		
1,2-Dichlorobenzene-d4	112		110		70 - 130		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Laboratory	TestAmerica Savannah 5102 LaRoche Avenue	TestAmerica Laboratories, Inc. SAMPLE ANALYSIS REQUISITION	Report Package:	Report	
	Savannah, GA	Lab Request SR110752	Need Analytical Report	2009-04-15	
	31404				
	Client Code: 56426		Project Manager:	NATE PIETRAS	
<u>Sample ID.</u>	<u>Work Order Number</u>	<u>Client Sample ID</u>	<u>Sampling Date</u>	<u>Analysis Required</u>	
A9D010153-1	K9EPN	GSSMW-09	2009-03-30 14:15	WATER, 524.1,DW VOC sent to STL Savanna	
A9D010153-2	K9EQF	GSSEW-01	2009-03-30 14:50	WATER, 524.1,DW VOC sent to STL Savanna	
A9D010153-3	K9EQJ	DUP#1	2009-03-30 15:15	WATER, 524.1,DW VOC sent to STL Savanna	
A9D010153-4	K9EQR	MW-07D	2009-03-30 15:30	WATER, 524.1,DW VOC sent to STL Savanna	
A9D010153-5	K9EQV	GSSMW-08	2009-03-30 16:05	WATER, 524.1,DW VOC sent to STL Savanna	
A9D010153-6	K9EQW	MW-08	2009-03-30 16:40	WATER, 524.1,DW VOC sent to STL Savanna	
Page 53 of 55	A9D010153-7	K9EQ3	GSSMW-15	2009-03-30 17:20	WATER, 524.1,DW VOC sent to STL Savanna
45	A9D010153-8	K9EQ7	MW-06	2009-03-31 10:30	WATER, 524.1,DW VOC sent to STL Savanna
46	A9D010153-9	K9ERC	MW-02	2009-03-31 11:05	WATER, 524.1,DW VOC sent to STL Savanna
A9D010153-9 S	K9ERC	MW-02	2009-03-31 11:05	WATER, 524.1,DW VOC sent to STL Savanna	
A9D010153-9 D	K9ERC	MW-02	2009-03-31 11:05	WATER, 524.1,DW VOC sent to STL Savanna	

Please use Client Sample ID for report

Call NATE PIETRAS with questions at 330-497-9396

at the TAL North Canton Laboratory

Need detection limit and analysis date included in report.

Please send a signed copy of this form with the report at completion of analysis.

04/15/2009 Relinquished by: Cheri Loyal

Date/Time: 4-1-09 1:15 pm

04/15/2009 Relinquished by: _____

Date/Time: _____

04/15/2009 Received for lab by: KL

Date/Time: 4/2/09 03:51

Shipping Method: FED-EX

2.4°C
680-46033

Laboratory	TestAmerica Savannah 5102 LaRoche Avenue	TestAmerica Laboratories, Inc. SAMPLE ANALYSIS REQUISITION	Report Package:	Report
	Savannah, GA	Lab Request SRI 10752	Need Analytical Report	2009-04-15
	31404			
	Client Code: 56426		Project Manager:	NATE PIETRAS
<u>Sample ID:</u> A9D010153-10	<u>Work Order Number</u> K9ERD	<u>Client Sample ID</u> MW-P1	<u>Sampling Date</u> 2009-03-31 11:40	<u>Analysis Required</u> WATER, 524.1,DW VOC sent to STL Savanna
A9D010153-11	K9ERF	MW-04D	2009-03-31 12:15	WATER, 524.1,DW VOC sent to STL Savanna
A9D010153-12	K9ERH	TRIP BLANK	2009-03-31	WATER, 524.1,DW VOC sent to STL Savanna

Page 46 of 55
46

Please use Client Sample ID for report
 Call NATE PIETRAS with questions at 330-497-9396
 at the TAL North Canton Laboratory

Need detection limit and analysis date included in report.

Please send a signed copy of this form with the report at completion of analysis.

04/15/2009 Relinquished by: Chris Lyle Date/Time: 4/1/09 1:15pm
 Received for lab by: KL Date/Time: 4/2/09 0851

Shipping Method: FED-EX

680-46033



END OF REPORT

Quality Assurance Data Review

SDG No. A9I160247

Qualifiers in EDD

EDD Review

	SM 10/2/09
EDD In Site DB	SM 10/2/09

Project Name: Granville
 Sampling Date: 9/14 - 9/15/09
 Review Date: 10/2/09
 Laboratory: Test America
 Reviewer Signature: James L. Yancey

Review Item	Matrix	Acceptable	Comments / Qualifications
Compare Chain of Custody to Data Received	Soil / Sed/ Air		
	GW / SW / Other	✓	
Sample Hold Times	Soil / Sed/ Air	✓	
	GW / SW / Other	✓	
Trip Blank	VOCs only	✓	
Sample Reporting Limits	Soil / Sed/ Air		
	GW / SW / Other	✓	
Surrogate Compound Recoveries for Organic Analyses	Soil / Sed/ Air		
	GW / SW / Other	✓	
Method Blank	Soil / Sed/ Air		
	GW / SW / Other	✓	
Laboratory Control Sample Recoveries	Soil / Sed/ Air		LCS for Batch 680-1490S8 was high
	GW / SW / Other		for 2,2-Dichloropropane - Associated samples all ND - No qualifications
Matrix Spike/Spike Duplicate Recoveries and RPDs	Soil / Sed/ Air		MS/MSD of MW-04D : Bromomethane
	GW / SW / Other		low in MS but OK in MSD; 2,2-Dichloropropane
			OK in MS - high high in MSD, PCP low in MS
Duplicate Sample Relative Percent Difference	Soil / Sed/ Air		①
	GW / SW / Other	✓	
Initial and Continuing Calibration	Soil / Sed/ Air		
	GW / SW / Other	✓	
TICS	Any		N.A.

Additional Comments:

① OK in MSD, 1,1-Trichloroethane low in MS OK in MSD, and TCE low in MS OK in MSD - The parent sample was diluted and reran - reported amounts in line with undiluted results - No qualifications based on professional judgement

NA = Not Applicable

NR = Not Reported

NSS = Not a Site Sample, lab batch QC used

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratories, Inc.

ANALYTICAL REPORT

PROJECT NO. 10839.5314.04

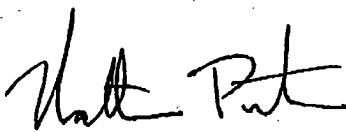
GRANVILLE SOLVENTS

Lot #: A9I160247

James Moore

Sharp & Associates
756 Park Meadow Road
Westerville, OH 43081-2871

TESTAMERICA LABORATORIES, INC.



Nathan Pietras
Project Manager
nathan.pietras@testamericainc.com

Approved for release.
Nathan Pietras
Project Manager
9/30/2009 9:44 AM

September 30, 2009



CASE NARRATIVE

A9I160247

The following report contains the analytical results for ten water samples and one quality control sample submitted to TestAmerica North Canton by Los Alamos Technical Associates Inc. from the Granville Solvents Site, project number 10839.5314.04. The samples were received 1.7, according to documented sample acceptance procedures.

The 524.1 DW VOC analysis was performed at the TestAmerica Savannah laboratory.

TestAmerica utilizes USEPA approved methods in all analytical work. The samples presented in this report were analyzed for the parameter(s) listed on the analytical methods summary page in accordance with the method(s) indicated. Preliminary results were provided to James Moore and Kellie Carmichael on September 17, 2009. A summary of QC data for these analyses is included at the back of the report.

TestAmerica North Canton attests to the validity of the laboratory data generated by TestAmerica facilities reported herein. All analyses performed by TestAmerica facilities were done using established laboratory SOPs that incorporate QA/QC procedures described in the applicable methods. TestAmerica's operations groups have reviewed the data for compliance with the laboratory QA/QC plan, and data have been found to be compliant with laboratory protocols unless otherwise noted below.

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory.

Please refer to the Quality Control Elements Narrative following this case narrative for additional quality control information.

If you have any questions, please call the Project Manager, Nathan Pietras, at 330-497-9396.

This report is sequentially paginated. The final page of the report is labeled as "END OF REPORT."

SUPPLEMENTAL QC INFORMATION

SAMPLE RECEIVING

The temperature of the cooler upon sample receipt was 1.7°C.

QUALITY CONTROL ELEMENTS NARRATIVE

TestAmerica conducts a quality assurance/quality control (QA/QC) program designed to provide scientifically valid and legally defensible data. Toward this end, several types of quality control indicators are incorporated into the QA/QC program, which is described in detail in QA Policy, QA-003. These indicators are introduced into the sample testing process to provide a mechanism for the assessment of the analytical data. Program or agency specific requirements take precedence over the requirements listed in this narrative.

QC BATCH

Environmental samples are taken through the testing process in groups called QUALITY CONTROL BATCHES (QC batches). A QC batch contains up to twenty environmental samples of a similar matrix (water, soil) that are processed using the same reagents and standards. TestAmerica North Canton requires that each environmental sample be associated with a QC batch.

Several quality control samples are included in each QC batch and are processed identically to the twenty environmental samples.

For SW846/RCRA methods, QC samples include a METHOD BLANK (MB), a LABORATORY CONTROL SAMPLE (LCS) and, where appropriate, a MATRIX SPIKE/MATRIX SPIKE DUPLICATE (MS/MSD) pair or a MATRIX SPIKE/SAMPLE DUPLICATE (MS/DU) pair. If there is insufficient sample to perform an MS/MSD or an MS/DU, then a LABORATORY CONTROL SAMPLE DUPLICATE (LCSD) is included in the QC batch.

For 600 series/CWA methods, QC samples include a METHOD BLANK (MB), a LABORATORY CONTROL SAMPLE (LCS) and, where appropriate, a MATRIX SPIKE (MS). An MS is prepared and analyzed at a 10% frequency for GC Methods and at a 5% frequency for GC/MS methods.

LABORATORY CONTROL SAMPLE

The Laboratory Control Sample is a QC sample that is created by adding known concentrations of a full or partial set of target analytes to a matrix similar to that of the environmental samples in the QC batch. Multi peak responders may not be included in the target spike list due to co-elution. The LCS analyte recovery results are used to monitor the analytical process and provide evidence that the laboratory is performing the method within acceptable guidelines. All control analytes indicated by a bold type in the LCS must meet acceptance criteria. Failure to meet the established recovery guidelines requires the repreparation and reanalysis of all samples in the QC batch. Comparison of only the failed parameters from the first batch are evaluated. The only exception to the rework requirement is that if the LCS recoveries are biased high and the associated sample is ND (non-detected) for the parameter(s) of interest, the batch is acceptable.

At times, a Laboratory Control Sample Duplicate (LCSD) is also included in the QC batch. An LCSD is a QC sample that is created and handled identically to the LCS. Analyte recovery data from the LCSD is assessed in the same way as that of the LCS. The LCSD recoveries, together with the LCS recoveries, are used to determine the reproducibility (precision) of the analytical system. Precision data are expressed as relative percent differences (RPDs). If the RPD fails for an LCS/LCSD and yet the recoveries are within acceptance criteria, the batch is still acceptable.

METHOD BLANK

The Method Blank is a QC sample consisting of all the reagents used in analyzing the environmental samples contained in the QC batch. Method Blank results are used to determine if interference or contamination in the analytical system could lead to the reporting of false positive data or elevated analyte concentrations. All target analytes must be below the reporting limits (RL) or the associated sample(s) must be ND except under the following circumstances:

- Common organic contaminants may be present at concentrations up to 5 times the reporting limits. Common metals contaminants may be present at concentrations up to 2 times the reporting limit, or the reported blank concentration must be twenty fold less than the concentration reported in the associated environmental samples. (See common laboratory contaminants listed in the table.)

Volatile (GC or GC/MS)	Semivolatile (GC/MS)	Metals ICP-MS	Metals ICP Trace
Methylene Chloride, Acetone, 2-Butanone	Phthalate Esters	Copper, Iron, Zinc, Lead, Calcium, Magnesium, Potassium, Sodium, Barium, Chromium, Manganese	Copper, Iron, Zinc, Lead

QUALITY CONTROL ELEMENTS NARRATIVE (continued)

- Organic blanks will be accepted if compounds detected in the blank are present in the associated samples at levels 10 times the blank level. Inorganic blanks will be accepted if elements detected in the blank are present in the associated samples at 20 times the blank level.
- Blanks will be accepted if the compounds/elements detected are not present in any of the associated environmental samples.

Failure to meet these Method Blank criteria requires the repreparation and reanalysis of all samples in the QC batch.

MATRIX SPIKE/MATRIX SPIKE DUPLICATE

A Matrix Spike and a Matrix Spike Duplicate are a pair of environmental samples to which known concentrations of a full or partial set of target analytes are added. The MS/MSD results are determined in the same manner as the results of the environmental sample used to prepare the MS/MSD. The analyte recoveries and the relative percent differences (RPDs) of the recoveries are calculated and used to evaluate the effect of the sample matrix on the analytical results. Due to the potential variability of the matrix of each sample, the MS/MSD results may not have an immediate bearing on any samples except the one spiked; therefore, the associated batch MS/MSD may not reflect the same compounds as the samples contained in the analytical report. When these MS/MSD results fail to meet acceptance criteria, the data is evaluated. If the LCS is within acceptance criteria, the batch is considered acceptable.

For certain methods, a Matrix Spike/Sample Duplicate (MS/DU) may be included in the QC batch in place of the MS/MSD. For the parameters (i.e. pH, ignitability) where it is not possible to prepare a spiked sample, a Sample Duplicate may be included in the QC batch. However, a Sample Duplicate is less likely to provide usable precision statistics depending on the likelihood of finding concentrations below the standard reporting limit. When the Sample Duplicate result fails to meet acceptance criteria, the data is evaluated.

For certain methods (600 series methods/CWA), a Matrix Spike is required in place of a Matrix Spike/Matrix Spike Duplicate (MS/MSD) or Matrix Spike/Sample Duplicate (MS/DU).

The acceptance criteria do not apply to samples that are diluted.

SURROGATE COMPOUNDS

In addition to these batch-related QC indicators, each organic environmental and QC sample is spiked with surrogate compounds. Surrogates are organic chemicals that behave similarly to the analytes of interest and that are rarely present in the environment. Surrogate recoveries are used to monitor the individual performance of a sample in the analytical system.

If surrogate recoveries are biased high in the LCS, LCSD, or the Method Blank, and the associated sample(s) are ND, the batch is acceptable. Otherwise, if the LCS, LCSD, or Method Blank surrogate(s) fail to meet recovery criteria, the entire sample batch is reprepared and reanalyzed. If the surrogate recoveries are outside criteria for environmental samples, the samples will be reprepared and reanalyzed unless there is objective evidence of matrix interference or if the sample dilution is greater than the threshold outlined in the associated method SOP.

The acceptance criteria do not apply to samples that are diluted. All other surrogate recoveries will be reported.

For the GC/MS BNA methods, the surrogate criterion is that two of the three surrogates for each fraction must meet acceptance criteria. The third surrogate must have a recovery of ten percent or greater.

For the Pesticide and PCB methods, the surrogate criterion is that one of two surrogate compounds must meet acceptance criteria. The second surrogate must have a recovery of 10% or greater.



TestAmerica Certifications and Approvals:

The laboratory is certified for the analytes listed on the documents below. These are available upon request.

California (#01144CA); Connecticut (#PH-0590), Florida (#E87225),
Illinois (#200004), Kansas (#E10336), Minnesota (#39-999-348), New Jersey (#OH001), New York (#10975), Nevada
(#OH-000482008A), OhioVAP (#CL0024), Pennsylvania (#008), West Virginia (#210), Wisconsin (#999518190), NAVY,
ARMY, USDA Soil Permit

Chain of Custody Record

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratory location:

Regulatory program: DW NPDES RCRA Other _____

Client Contact		Client Project Manager:		Site Contact:		Lab Contact:		Analyses		TestAmerica Laboratories, Inc.						
Company Name: LATA		Client Project Manager: JAMES MOORE		Site Contact: Z. SECURE						COC No: 1 of 1 COCs						
Address: 751 PACK MEADOW RD.		Telephone: 614-508-1200		Telephone: 614-989-9L38		Telephone:										
City/State/Zip: WESTERVILLE, OH 43081		Email:														
Phone: 614-508-1200						TAT if different from below _____										
Project Name: GRANVILLE SOLVENTS		Method of Shipment/Carrier: FED X				<input type="checkbox"/> 3 weeks <input type="checkbox"/> 2 weeks <input type="checkbox"/> 1 week <input type="checkbox"/> 2 days <input type="checkbox"/> 1 day										
Project Number: 10839, 5314, 04		Shipping/Tracking No: BL631 3278 LS25														
PO #																
Sample Identification		Sample Date	Sample Time	Air	Aqueous	Sediment	Solid	Other:	H2SO4	HNO3	HCl	NaOH	ZnAc/ NaOH	Unpres	Other:	Sample Specific Notes / Special Instructions:
GSSMW-09		9-14-09	1400	X					2							Vols 524.2
MW-07D			1440	1												
GSSMW-08				1515												
MW-08				1555												
MW-PI				1636												
GSSMW-15			9-15-09	0930												
MW-06				1002												
MW-02D				1051												
MW-04D/MS/MSO				1130					4							
DUPE #1				1425					2							
TRP BLANKS									8							
Possible Hazard Identification		Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)														
<input checked="" type="checkbox"/> Non-Hazard		<input type="checkbox"/> Flammable		<input type="checkbox"/> Skin Irritant		<input type="checkbox"/> Poison B		<input type="checkbox"/> Unknown		<input type="checkbox"/> Return to Client		<input checked="" type="checkbox"/> Disposal By Lab		<input type="checkbox"/> Archive For		Months
Special Instructions/QC Requirements & Comments:																
Relinquished by: <i>Rich Seaver</i>		Company: LATA, INC.		Date/Time: 9-15-09/1500		Received by: <i>Chris Dugay</i>		Company: TAL		Date/Time: 9-15-09 9:15						
Relinquished by:		Company:		Date/Time:		Received by:		Company:		Date/Time:						
Relinquished by:		Company:		Date/Time:		Received in Laboratory by:		Company:		Date/Time:						

**TestAmerica Cooler Receipt Form/Narrative
North Canton Facility**

Discrepancies Cont'd'



SAVANNAH DATA

ANALYTICAL REPORT

Job Number: 680-50834-1

Job Description: A9160247

For:

TestAmerica Laboratories, Inc.
4101 Shuffel Street NW
North Canton, OH 44720
Attention: Mr. Nate Pietras



Approved for release.
Abbie G Yant
Project Manager I
9/29/2009 8:17 PM

Abbie G Yant
Project Manager I
abbie.yant@testamericainc.com
09/29/2009

The test results in this report meet NELAP requirements for parameters for which accreditation is required or available. Any exceptions to the NELAP requirements are noted. Results pertain only to samples listed in this report. This report may not be reproduced, except in full, without the written approval of the laboratory. Questions should be directed to the person who signed this report.

Savannah Certifications and ID #'s: A2LA: 0399.01; AL: 41450; ARDEQ: 88-0692; ARDOH; CA: 03217CA; CO; CT: PH0161; DE; FL: E87052; GA: 803; Guam; HI; IL: 200022; IN; IA: 353; KS: E-10322; KY EPPC: 90084; KY UST; LA DEQ: 30690; LA DHH: LA080008; ME: 2008022; MD: 250; MA: M-GA006; MI: 9925; MS: NFESC: 249; NV: GA00006; NJ: GA769; NM; NY: 10842; NC DWQ: 269; NC DHHS: 13701; PA: 68-00474; PR: GA00006; RI: LAO00244; SC: 98001001; TN: TN0296; TX: T104704185; USEPA: GA00006; VT: VT-87052; VA: 00302; WA; WV DEP: 094; WV DHHR: 9950 C; WI DNR: 999819810; WY/EPAR8: 8TMS-Q

**Job Narrative
680-J50834-1**

Comments

No additional comments.

Receipt

All samples were received in good condition within temperature requirements.

GC/MS VOA

Method(s) 524.2: The laboratory control samples (LCS/LCSD) for batch 149058 exceeded control limits for the following analyte: 2,2-Dichloropropane. This analyte was biased high in the LCS/LCSD and was not detected in the associated samples; therefore, the data has been reported.

No other analytical or quality issues were noted.

METHOD SUMMARY

Client: TestAmerica Laboratories, Inc.

Job Number: 680-50834-1

Description	Lab Location	Method	Preparation Method
Matrix Water			
Volatile Organic Compounds (GC/MS)	TAL SAV	EPA-DW 524.2	

Lab References:

TAL SAV = TestAmerica Savannah

Method References:

EPA-DW = "Methods For The Determination Of Organic Compounds In Drinking Water", EPA/600/4-88/039, December 1988 And Its Supplements.

SAMPLE SUMMARY

Client: TestAmerica Laboratories, Inc.

Job Number: 680-50834-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
680-50834-1	GSSMW-09	Drinking Water	09/14/2009 1400	09/17/2009 1057
680-50834-2	MW-07D	Drinking Water	09/14/2009 1440	09/17/2009 1057
680-50834-3	GSSMW-08	Drinking Water	09/14/2009 1515	09/17/2009 1057
680-50834-4	MW-08	Drinking Water	09/14/2009 1555	09/17/2009 1057
680-50834-5	MW-P1	Drinking Water	09/14/2009 1636	09/17/2009 1057
680-50834-6	GSSMW-15	Drinking Water	09/15/2009 0930	09/17/2009 1057
680-50834-7	MW-06	Drinking Water	09/15/2009 1002	09/17/2009 1057
680-50834-8	MW-02D	Drinking Water	09/15/2009 1051	09/17/2009 1057
680-50834-9	MW-04D	Drinking Water	09/15/2009 1130	09/17/2009 1057
680-50834-9MS	MW-04D	Drinking Water	09/15/2009 1130	09/17/2009 1057
680-50834-9MSD	MW-04D	Drinking Water	09/15/2009 1130	09/17/2009 1057
680-50834-10	DUPE#1	Drinking Water	09/15/2009 1425	09/17/2009 1057
680-50834-11TB	TRIP BLANKS	Drinking Water	09/15/2009 0000	09/17/2009 1057

Analytical Data

Client: TestAmerica Laboratories, Inc.

Job Number: 680-50834-1

Client Sample ID: GSSMW-09

Lab Sample ID: 680-50834-1

Client Matrix: Drinking Water

Date Sampled: 09/14/2009 1400

Date Received: 09/17/2009 1057

524.2 Volatile Organic Compounds (GC/MS)

Method:	524.2	Analysis Batch:	680-149058	Instrument ID:	MSU
Preparation:	N/A			Lab File ID:	u0001.d
Dilution:	1.0			Initial Weight/Volume:	5 mL
Date Analyzed:	09/28/2009 1329			Final Weight/Volume:	5 mL
Date Prepared:					

Analyte	Result (ug/L)	Qualifier	MDL	RL
Benzene	0.18	U	0.18	0.50
Bromobenzene	0.42	U	0.42	0.50
Bromoform	0.39	U	0.39	0.50
Bromomethane	0.45	U	0.45	1.0
Carbon tetrachloride	0.22	U	0.22	0.50
Chlorobenzene	0.27	U	0.27	0.50
Chlorodibromomethane	0.43	U	0.43	0.50
Chloroethane	0.33	U	0.33	1.0
Chloroform	0.29	U	0.29	0.50
Chloromethane	0.32	U	0.32	0.50
2-Chlorotoluene	0.17	U	0.17	0.50
4-Chlorotoluene	0.16	U	0.16	0.50
cis-1,2-Dichloroethene	0.37	U	0.37	0.50
cis-1,3-Dichloropropene	0.32	U	0.32	0.50
Dibromomethane	0.38	U	0.38	0.50
1,2-Dichlorobenzene	0.17	U	0.17	0.50
1,3-Dichlorobenzene	0.14	U	0.14	0.50
1,4-Dichlorobenzene	0.18	U	0.18	0.50
Dichlorobromomethane	0.54	U	0.54	1.0
1,1-Dichloroethane	0.39	U	0.39	0.50
1,2-Dichloroethane	0.17	U	0.17	0.50
1,1-Dichloroethene	0.32	U	0.32	0.50
1,2-Dichloropropane	0.45	U	0.45	0.50
1,3-Dichloropropane	0.43	U	0.43	0.50
2,2-Dichloropropane	0.31	U*	0.31	0.50
1,1-Dichloropropene	0.19	U	0.19	0.50
Ethylbenzene	0.12	U	0.12	0.50
Methylene Chloride	0.36	U	0.36	0.50
Methyl tert-butyl ether	0.26	U	0.26	0.50
m-Xylene & p-Xylene	0.42	U	0.42	0.50
o-Xylene	0.27	U	0.27	0.50
Styrene	0.28	U	0.28	0.50
1,1,1,2-Tetrachloroethane	0.16	U	0.16	0.50
1,1,2,2-Tetrachloroethane	0.18	U	0.18	0.50
Tetrachloroethene	0.30	U	0.30	0.50
Toluene	0.23	U	0.23	0.50
trans-1,2-Dichloroethene	0.24	U	0.24	0.50
trans-1,3-Dichloropropene	0.48	U	0.48	0.50
1,2,4-Trichlorobenzene	0.18	U	0.18	0.50
1,1,1-Trichloroethane	0.27	U	0.27	0.50
1,1,2-Trichloroethane	0.22	U	0.22	0.50
Trichloroethene	0.37	U	0.37	0.50
1,2,3-Trichloropropane	0.18	U	0.18	0.50
Vinyl chloride	0.33	U	0.33	0.50
Xylenes, Total	0.27	U	0.27	0.50

Analytical Data

Client: TestAmerica Laboratories, Inc.

Job Number: 680-50834-1

Client Sample ID: GSSMW-09

Lab Sample ID: 680-50834-1

Date Sampled: 09/14/2009 1400

Client Matrix: Drinking Water

Date Received: 09/17/2009 1057

524.2 Volatile Organic Compounds (GC/MS)

Method: 524.2

Analysis Batch: 680-149058

Instrument ID: MSU

Preparation: N/A

Lab File ID: u0001.d

Dilution: 1.0

Initial Weight/Volume: 5 mL

Date Analyzed: 09/28/2009 1329

Final Weight/Volume: 5 mL

Date Prepared:

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	90 ✓		70 - 130
1,2-Dichlorobenzene-d4	88 ✓		70 - 130

Analytical Data

Client: TestAmerica Laboratories, Inc.

Job Number: 680-50834-1

Client Sample ID: MW-07D

Lab Sample ID: 680-50834-2

Client Matrix: Drinking Water

Date Sampled: 09/14/2009 1440

Date Received: 09/17/2009 1057

524.2 Volatile Organic Compounds (GC/MS)

Method:	524.2	Analysis Batch: 680-149058	Instrument.ID:	MSU
Preparation:	N/A		Lab File ID:	u0002.d
Dilution:	1.0		Initial Weight/Volume:	5 mL
Date Analyzed:	09/28/2009 1352		Final Weight/Volume:	5 mL
Date Prepared:				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Benzene	0.18	U	0.18	0.50
Bromobenzene	0.42	U	0.42	0.50
Bromoform	0.39	U	0.39	0.50
Bromomethane	0.45	U	0.45	1.0
Carbon tetrachloride	0.22	U	0.22	0.50
Chlorobenzene	0.27	U	0.27	0.50
Chlorodibromomethane	0.43	U	0.43	0.50
Chloroethane	0.33	U	0.33	1.0
Chloroform	0.29	U	0.29	0.50
Chloromethane	0.32	U	0.32	0.50
2-Chlorotoluene	0.17	U	0.17	0.50
4-Chlorotoluene	0.16	U	0.16	0.50
cis-1,2-Dichloroethene	0.37	U	0.37	0.50
cis-1,3-Dichloropropene	0.32	U	0.32	0.50
Dibromomethane	0.38	U	0.38	0.50
1,2-Dichlorobenzene	0.17	U	0.17	0.50
1,3-Dichlorobenzene	0.14	U	0.14	0.50
1,4-Dichlorobenzene	0.18	U	0.18	0.50
Dichlorobromomethane	0.54	U	0.54	1.0
1,1-Dichloroethane	0.39	U	0.39	0.50
1,2-Dichloroethane	0.17	U	0.17	0.50
1,1-Dichloroethene	0.32	U	0.32	0.50
1,2-Dichloropropane	0.45	U	0.45	0.50
1,3-Dichloropropane	0.43	U	0.43	0.50
2,2-Dichloropropane	0.31	U*	0.31	0.50
1,1-Dichloropropene	0.19	U	0.19	0.50
Ethylbenzene	0.12	U	0.12	0.50
Methylene Chloride	0.36	U	0.36	0.50
Methyl tert-butyl ether	0.26	U	0.26	0.50
m-Xylene & p-Xylene	0.42	U	0.42	0.50
o-Xylene	0.27	U	0.27	0.50
Styrene	0.28	U	0.28	0.50
1,1,1,2-Tetrachloroethane	0.16	U	0.16	0.50
1,1,2,2-Tetrachloroethane	0.18	U	0.18	0.50
Tetrachloroethene	0.30	U	0.30	0.50
Toluene	0.23	U	0.23	0.50
trans-1,2-Dichloroethene	0.24	U	0.24	0.50
trans-1,3-Dichloropropene	0.48	U	0.48	0.50
1,2,4-Trichlorobenzene	0.18	U	0.18	0.50
1,1,1-Trichloroethane	0.27	U	0.27	0.50
1,1,2-Trichloroethane	0.22	U	0.22	0.50
Trichloroethene	0.37	U	0.37	0.50
1,2,3-Trichloropropane	0.18	U	0.18	0.50
Vinyl chloride	0.33	U	0.33	0.50
Xylenes, Total	0.27	U	0.27	0.50

Analytical Data

Client: TestAmerica Laboratories, Inc.

Job Number: 680-50834-1

Client Sample ID: MW-07D

Lab Sample ID: 680-50834-2

Date Sampled: 09/14/2009 1440

Client Matrix: Drinking Water

Date Received: 09/17/2009 1057

524.2 Volatile Organic Compounds (GC/MS)

Method: 524.2

Analysis Batch: 680-149058

Instrument ID: MSU

Preparation: N/A

Lab File ID: u0002.d

Dilution: 1.0

Initial Weight/Volume: 5 mL

Date Analyzed: 09/28/2009 1352

Final Weight/Volume: 5 mL

Date Prepared:

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	90 ✓		• 70 - 130
1,2-Dichlorobenzene-d4	86 ✓		70 - 130

Analytical Data

Client: TestAmerica Laboratories, Inc.

Job Number: 680-50834-1

Client Sample ID: GSSMW-08

Lab Sample ID: 680-50834-3

Date Sampled: 09/14/2009 1515

Client Matrix: Drinking Water

Date Received: 09/17/2009 1057

524.2 Volatile Organic Compounds (GC/MS)

Method:	524.2	Analysis Batch:	680-149058	Instrument ID:	MSU
Preparation:	N/A			Lab File ID:	u0003.d
Dilution:	1.0			Initial Weight/Volume:	5 mL
Date Analyzed:	09/28/2009 1416			Final Weight/Volume:	5 mL
Date Prepared:					

Analyte	Result (ug/L)	Qualifier	MDL	RL
Benzene	0.18	U	0.18	0.50
Bromobenzene	0.42	U	0.42	0.50
Bromoform	0.39	U	0.39	0.50
Bromomethane	0.45	U	0.45	1.0
Carbon tetrachloride	0.22	U	0.22	0.50
Chlorobenzene	0.27	U	0.27	0.50
Chlorodibromomethane	0.43	U	0.43	0.50
Chloroethane	0.33	U	0.33	1.0
Chloroform	0.29	U	0.29	0.50
Chloromethane	0.32	U	0.32	0.50
2-Chlorotoluene	0.17	U	0.17	0.50
4-Chlorotoluene	0.16	U	0.16	0.50
cis-1,2-Dichloroethene	0.37	U	0.37	0.50
cis-1,3-Dichloropropene	0.32	U	0.32	0.50
Dibromomethane	0.38	U	0.38	0.50
1,2-Dichlorobenzene	0.17	U	0.17	0.50
1,3-Dichlorobenzene	0.14	U	0.14	0.50
1,4-Dichlorobenzene	0.18	U	0.18	0.50
Dichlorobromomethane	0.54	U	0.54	1.0
1,1-Dichloroethane	0.39	U	0.39	0.50
1,2-Dichloroethane	0.17	U	0.17	0.50
1,1-Dichloroethene	0.32	U	0.32	0.50
1,2-Dichloropropane	0.45	U	0.45	0.50
1,3-Dichloropropane	0.43	U	0.43	0.50
2,2-Dichloropropane	0.31	U*	0.31	0.50
1,1-Dichloropropene	0.19	U	0.19	0.50
Ethylbenzene	0.12	U	0.12	0.50
Methylene Chloride	0.36	U	0.36	0.50
Methyl tert-butyl ether	0.26	U	0.26	0.50
m-Xylene & p-Xylene	0.42	U	0.42	0.50
o-Xylene	0.27	U	0.27	0.50
Styrene	0.28	U	0.28	0.50
1,1,1,2-Tetrachloroethane	0.16	U	0.16	0.50
1,1,2,2-Tetrachloroethane	0.18	U	0.18	0.50
Tetrachloroethene	0.30	U	0.30	0.50
Toluene	0.23	U	0.23	0.50
trans-1,2-Dichloroethene	0.24	U	0.24	0.50
trans-1,3-Dichloropropene	0.48	U	0.48	0.50
1,2,4-Trichlorobenzene	0.18	U	0.18	0.50
1,1,1-Trichloroethane	0.27	U	0.27	0.50
1,1,2-Trichloroethane	0.22	U	0.22	0.50
Trichloroethene	0.37	U	0.37	0.50
1,2,3-Trichloropropane	0.18	U	0.18	0.50
Vinyl chloride	0.33	U	0.33	0.50
Xylenes, Total	0.27	U	0.27	0.50

Analytical Data

Client: TestAmerica Laboratories, Inc.

Job Number: 680-50834-1

Client Sample ID: GSSMW-08

Lab Sample ID: 680-50834-3

Date Sampled: 09/14/2009 1515

Client Matrix: Drinking Water

Date Received: 09/17/2009 1057

524.2 Volatile Organic Compounds (GC/MS)

Method:	524.2	Analysis Batch:	680-149058	Instrument ID:	MSU
Preparation:	N/A			Lab File ID:	u0003.d
Dilution:	1.0			Initial Weight/Volume:	5 mL
Date Analyzed:	09/28/2009 1416			Final Weight/Volume:	5 mL
Date Prepared:					

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	93 ✓		70 - 130
1,2-Dichlorobenzene-d4	89 ✓		70 - 130

Analytical Data

Client: TestAmerica Laboratories, Inc.

Job Number: 680-50834-1

Client Sample ID: MW-08

Lab Sample ID: 680-50834-4

Date Sampled: 09/14/2009 1555

Client Matrix: Drinking Water

Date Received: 09/17/2009 1057

524.2 Volatile Organic Compounds (GC/MS)

Method:	524.2	Analysis Batch:	680-149058	Instrument ID:	MSU
Preparation:	N/A			Lab File ID:	u0004.d
Dilution:	1.0			Initial Weight/Volume:	5 mL
Date Analyzed:	09/28/2009 1440			Final Weight/Volume:	5 mL
Date Prepared:					

Analyte	Result (ug/L)	Qualifier	MDL	RL
Benzene	0.18	U	0.18	0.50
Bromobenzene	0.42	U	0.42	0.50
Bromoform	0.39	U	0.39	0.50
Bromomethane	0.69	J	0.45	1.0
Carbon tetrachloride	0.22	U	0.22	0.50
Chlorobenzene	0.27	U	0.27	0.50
Chlorodibromomethane	0.43	U	0.43	0.50
Chloroethane	0.33	U	0.33	1.0
Chloroform	0.29	U	0.29	0.50
Chloromethane	0.32	U	0.32	0.50
2-Chlorotoluene	0.17	U	0.17	0.50
4-Chlorotoluene	0.16	U	0.16	0.50
cis-1,2-Dichloroethene	68		0.37	0.50
cis-1,3-Dichloropropene	0.32	U	0.32	0.50
Dibromomethane	0.38	U	0.38	0.50
1,2-Dichlorobenzene	0.17	U	0.17	0.50
1,3-Dichlorobenzene	0.14	U	0.14	0.50
1,4-Dichlorobenzene	0.18	U	0.18	0.50
Dichlorobromomethane	0.54	U	0.54	1.0
1,1-Dichloroethane	3.6		0.39	0.50
1,2-Dichloroethane	0.17	U	0.17	0.50
1,1-Dichloroethene	0.32	U	0.32	0.50
1,2-Dichloropropane	0.45	U	0.45	0.50
1,3-Dichloropropane	0.43	U	0.43	0.50
2,2-Dichloropropane	0.31	U*	0.31	0.50
1,1-Dichloropropene	0.19	U	0.19	0.50
Ethylbenzene	0.12	U	0.12	0.50
Methylene Chloride	0.36	U	0.36	0.50
Methyl tert-butyl ether	0.26	U	0.26	0.50
m-Xylene & p-Xylene	0.42	U	0.42	0.50
o-Xylene	0.27	U	0.27	0.50
Styrene	0.28	U	0.28	0.50
1,1,1,2-Tetrachloroethane	0.16	U	0.16	0.50
1,1,2,2-Tetrachloroethane	0.18	U	0.18	0.50
Tetrachloroethene	0.30	U	0.30	0.50
Toluene	0.23	U	0.23	0.50
trans-1,2-Dichloroethene	8.9		0.24	0.50
trans-1,3-Dichloropropene	0.48	U	0.48	0.50
1,2,4-Trichlorobenzene	0.18	U	0.18	0.50
1,1,1-Trichloroethane	0.27	U	0.27	0.50
1,1,2-Trichloroethane	0.22	U	0.22	0.50
Trichloroethene	0.37	U	0.37	0.50
1,2,3-Trichloropropane	0.18	U	0.18	0.50
Vinyl chloride	0.33	U	0.33	0.50
Xylenes, Total	0.27	U	0.27	0.50

Analytical Data

Client: TestAmerica Laboratories, Inc.

Job Number: 680-50834-1

Client Sample ID: MW-08

Lab Sample ID: 680-50834-4

Date Sampled: 09/14/2009 1555

Client Matrix: Drinking Water

Date Received: 09/17/2009 1057

524.2 Volatile Organic Compounds (GC/MS)

Method: 524.2

Analysis Batch: 680-149058

Instrument ID: MSU

Preparation: N/A

Lab File ID: u0004.d

Dilution: 1.0

Initial Weight/Volume: 5 mL

Date Analyzed: 09/28/2009 1440

Final Weight/Volume: 5 mL

Date Prepared:

Surrogate	%Rec	Qualifier	Acceptance Lirmit
4-Bromofluorobenzene	87 ✓		70 - 130
1,2-Dichlorobenzene-d4	85 ✓		70 - 130

Analytical Data

Client: TestAmerica Laboratories, Inc.

Job Number: 680-50834-1

Client Sample ID: MW-P1

Lab Sample ID: 680-50834-5

Client Matrix: Drinking Water

Date Sampled: 09/14/2009 1636

Date Received: 09/17/2009 1057

524.2 Volatile Organic Compounds (GC/MS)

Method:	524.2	Analysis Batch: 680-149058	Instrument ID:	MSU
Preparation:	N/A		Lab File ID:	u0005.d
Dilution:	1.0		Initial Weight/Volume:	5 mL
Date Analyzed:	09/28/2009 1504		Final Weight/Volume:	5 mL
Date Prepared:				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Benzene	0.18	U	0.18	0.50
Bromobenzene	0.42	U	0.42	0.50
Bromoform	0.39	U	0.39	0.50
Bromomethane	0.45	U	0.45	1.0
Carbon tetrachloride	6.1		0.22	0.50
Chlorobenzene	0.27	U	0.27	0.50
Chlorodibromomethane	0.43	U	0.43	0.50
Chloroethane	0.33	U	0.33	1.0
Chloroform	0.29	U	0.29	0.50
Chloromethane	0.32	U	0.32	0.50
2-Chlorotoluene	0.17	U	0.17	0.50
4-Chlorotoluene	0.16	U	0.16	0.50
cis-1,2-Dichloroethene	1.5		0.37	0.50
cis-1,3-Dichloropropene	0.32	U	0.32	0.50
Dibromomethane	0.38	U	0.38	0.50
1,2-Dichlorobenzene	0.17	U	0.17	0.50
1,3-Dichlorobenzene	0.14	U	0.14	0.50
1,4-Dichlorobenzene	0.18	U	0.18	0.50
Dichlorobromomethane	0.54	U	0.54	1.0
1,1-Dichloroethane	0.39	U	0.39	0.50
1,2-Dichloroethane	0.17	U	0.17	0.50
1,1-Dichloroethene	0.32	U	0.32	0.50
1,2-Dichloropropane	0.45	U	0.45	0.50
1,3-Dichloropropane	0.43	U	0.43	0.50
2,2-Dichloropropane	0.31	U*	0.31	0.50
1,1-Dichloropropene	0.19	U	0.19	0.50
Ethylbenzene	0.12	U	0.12	0.50
Methylene Chloride	0.36	U	0.36	0.50
Methyl tert-butyl ether	0.26	U	0.26	0.50
m-Xylene & p-Xylene	0.42	U	0.42	0.50
o-Xylene	0.27	U	0.27	0.50
Styrene	0.28	U	0.28	0.50
1,1,1,2-Tetrachloroethane	0.16	U	0.16	0.50
1,1,2,2-Tetrachloroethane	0.18	U	0.18	0.50
Tetrachloroethene	67		0.30	0.50
Toluene	0.23	U	0.23	0.50
trans-1,2-Dichloroethene	0.24	U	0.24	0.50
trans-1,3-Dichloropropene	0.48	U	0.48	0.50
1,2,4-Trichlorobenzene	0.18	U	0.18	0.50
1,1,1-Trichloroethane	31		0.27	0.50
1,1,2-Trichloroethane	0.22	U	0.22	0.50
Trichloroethene	38		0.37	0.50
1,2,3-Trichloropropane	0.18	U	0.18	0.50
Vinyl chloride	0.33	U	0.33	0.50
Xylenes, Total	0.27	U	0.27	0.50

Analytical Data

Client: TestAmerica Laboratories, Inc.

Job Number: 680-50834-1

Client Sample ID: MW-P1

Lab Sample ID: 680-50834-5

Date Sampled: 09/14/2009 1636

Client Matrix: Drinking Water

Date Received: 09/17/2009 1057

524.2 Volatile Organic Compounds (GC/MS)

Method: 524.2

Analysis Batch: 680-149058

Instrument ID: MSU

Preparation: N/A

Lab File ID: u0005.d

Dilution: 1.0

Initial Weight/Volume: 5 mL

Date Analyzed: 09/28/2009 1504

Final Weight/Volume: 5 mL

Date Prepared:

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	87 ✓		70 - 130
1,2-Dichlorobenzene-d4	85 ✓		70 - 130

Analytical Data

Client: TestAmerica Laboratories, Inc.

Job Number: 680-50834-1

Client Sample ID: GSSMW-15

Lab Sample ID: 680-50834-6

Date Sampled: 09/15/2009 0930

Client Matrix: Drinking Water

Date Received: 09/17/2009 1057

524.2 Volatile Organic Compounds (GC/MS)

Method:	524.2	Analysis Batch:	680-149058	Instrument ID:	MSU
Preparation:	N/A			Lab File ID:	u0006.d
Dilution:	1.0			Initial Weight/Volume:	5 mL
Date Analyzed:	09/28/2009 1528			Final Weight/Volume:	5 mL
Date Prepared:					

Analyte	Result (ug/L)	Qualifier	MDL	RL
Benzene	0.18	U	0.18	0.50
Bromobenzene	0.42	U	0.42	0.50
Bromoform	0.39	U	0.39	0.50
Bromomethane	0.45	U	0.45	1.0
Carbon tetrachloride	0.22	U	0.22	0.50
Chlorobenzene	0.27	U	0.27	0.50
Chlorodibromomethane	0.43	U	0.43	0.50
Chloroethane	0.33	U	0.33	1.0
Chloroform	0.29	U	0.29	0.50
Chloromethane	0.32	U	0.32	0.50
2-Chlorotoluene	0.17	U	0.17	0.50
4-Chlorotoluene	0.16	U	0.16	0.50
cis-1,2-Dichloroethene	11		0.37	0.50
cis-1,3-Dichloropropene	0.32	U	0.32	0.50
Dibromomethane	0.38	U	0.38	0.50
1,2-Dichlorobenzene	0.17	U	0.17	0.50
1,3-Dichlorobenzene	0.14	U	0.14	0.50
1,4-Dichlorobenzene	0.18	U	0.18	0.50
Dichlorobromomethane	0.54	U	0.54	1.0
1,1-Dichloroethane	1.2		0.39	0.50
1,2-Dichloroethane	0.17	U	0.17	0.50
1,1-Dichloroethene	0.32	U	0.32	0.50
1,2-Dichloropropane	0.45	U	0.45	0.50
1,3-Dichloropropane	0.43	U	0.43	0.50
2,2-Dichloropropane	0.31	U*	0.31	0.50
1,1-Dichloropropene	0.19	U	0.19	0.50
Ethylbenzene	0.12	U	0.12	0.50
Methylene Chloride	0.36	U	0.36	0.50
Methyl tert-butyl ether	0.26	U	0.26	0.50
m-Xylene & p-Xylene	0.42	U	0.42	0.50
o-Xylene	0.27	U	0.27	0.50
Styrene	0.28	U	0.28	0.50
1,1,1,2-Tetrachloroethane	0.16	U	0.16	0.50
1,1,2,2-Tetrachloroethane	0.18	U	0.18	0.50
Tetrachloroethene	26		0.30	0.50
Toluene	0.23	U	0.23	0.50
trans-1,2-Dichloroethene	0.72		0.24	0.50
trans-1,3-Dichloropropene	0.48	U	0.48	0.50
1,2,4-Trichlorobenzene	0.18	U	0.18	0.50
1,1,1-Trichloroethane	30		0.27	0.50
1,1,2-Trichloroethane	0.22	U	0.22	0.50
Trichloroethene	38		0.37	0.50
1,2,3-Trichloropropane	0.18	U	0.18	0.50
Vinyl chloride	0.33	U	0.33	0.50
Xylenes, Total	0.27	U	0.27	0.50

Analytical Data

Client: TestAmerica Laboratories, Inc.

Job Number: 680-50834-1

Client Sample ID: GSSMW-15

Lab Sample ID: 680-50834-6

Date Sampled: 09/15/2009 0930

Client Matrix: Drinking Water

Date Received: 09/17/2009 1057

524.2 Volatile Organic Compounds (GC/MS)

Method:	524.2	Analysis Batch:	680-149058	Instrument ID:	MSU
Preparation:	N/A			Lab File ID:	u0006.d
Dilution:	1.0			Initial Weight/Volume:	5 mL
Date Analyzed:	09/28/2009 1528			Final Weight/Volume:	5 mL
Date Prepared:					

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	94 ✓		70 - 130
1,2-Dichlorobenzene-d4	89 ✓		70 - 130

Analytical Data

Client: TestAmerica Laboratories, Inc.

Job Number: 680-50834-1

Client Sample ID: MW-08

Lab Sample ID: 680-50834-7

Date Sampled: 09/15/2009 1002

Client Matrix: Drinking Water

Date Received: 09/17/2009 1057

524.2 Volatile Organic Compounds (GC/MS)

Method:	524.2	Analysis Batch: 680-149058	Instrument ID:	MSU
Preparation:	N/A		Lab File ID:	u0007.d
Dilution:	1.0		Initial Weight/Volume:	5 mL
Date Analyzed:	09/28/2009 1551		Final Weight/Volume:	5 mL
Date Prepared:				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Benzene	0.18	U	0.18	0.50
Bromobenzene	0.42	U	0.42	0.50
Bromoform	0.39	U	0.39	0.50
Bromomethane	0.45	U	0.45	1.0
Carbon tetrachloride	0.22	U	0.22	0.50
Chlorobenzene	0.27	U	0.27	0.50
Chlorodibromomethane	0.43	U	0.43	0.50
Chloroethane	0.33	U	0.33	1.0
Chloroform	0.29	U	0.29	0.50
Chloromethane	0.32	U	0.32	0.50
2-Chlorotoluene	0.17	U	0.17	0.50
4-Chlorotoluene	0.16	U	0.16	0.50
cis-1,2-Dichloroethene	0.37	U	0.37	0.50
cis-1,3-Dichloropropene	0.32	U	0.32	0.50
Dibromomethane	0.38	U	0.38	0.50
1,2-Dichlorobenzene	0.17	U	0.17	0.50
1,3-Dichlorobenzene	0.14	U	0.14	0.50
1,4-Dichlorobenzene	0.18	U	0.18	0.50
Dichlorobromomethane	0.54	U	0.54	1.0
1,1-Dichloroethane	0.39	U	0.39	0.50
1,2-Dichloroethane	0.17	U	0.17	0.50
1,1-Dichloroethene	0.41	J	0.32	0.50
1,2-Dichloropropane	0.45	U	0.45	0.50
1,3-Dichloropropane	0.43	U	0.43	0.50
2,2-Dichloropropane	0.31	U*	0.31	0.50
1,1-Dichloropropene	0.19	U	0.19	0.50
Ethylbenzene	0.12	U	0.12	0.50
Methylene Chloride	0.36	U	0.36	0.50
Methyl tert-butyl ether	0.26	U	0.26	0.50
m-Xylene & p-Xylene	0.42	U	0.42	0.50
o-Xylene	0.27	U	0.27	0.50
Styrene	0.28	U	0.28	0.50
1,1,1,2-Tetrachloroethane	0.16	U	0.16	0.50
1,1,2,2-Tetrachloroethane	0.18	U	0.18	0.50
Tetrachloroethene	0.83		0.30	0.50
Toluene	0.23	U	0.23	0.50
trans-1,2-Dichloroethene	0.24	U	0.24	0.50
trans-1,3-Dichloropropene	0.48	U	0.48	0.50
1,2,4-Trichlorobenzene	0.18	U	0.18	0.50
1,1,1-Trichloroethane	140	E	0.27	0.50
1,1,2-Trichloroethane	0.22	U	0.22	0.50
Trichloroethene	19		0.37	0.50
1,2,3-Trichloropropane	0.18	U	0.18	0.50
Vinyl chloride	0.33	U	0.33	0.50
Xylenes, Total	0.27	U	0.27	0.50

Report Value
Diluted Value

Analytical Data

Client: TestAmerica Laboratories, Inc.

Job Number: 680-50834-1

Client Sample ID: MW-06

Lab Sample ID: 680-50834-7

Client Matrix: Drinking Water

Date Sampled: 09/15/2009 1002

Date Received: 09/17/2009 1057

524.2 Volatile Organic Compounds (GC/MS)

Method:	524.2	Analysis Batch:	680-149058	Instrument ID:	MSU
Preparation:	N/A			Lab File ID:	u0007.d
Dilution:	1.0			Initial Weight/Volume:	5 mL
Date Analyzed:	09/28/2009 1551			Final Weight/Volume:	5 mL
Date Prepared:					

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	88 ✓		70 - 130
1,2-Dichlorobenzene-d4	87 ✓		70 - 130

Analytical Data

Client: TestAmerica Laboratories, Inc.

Job Number: 680-50834-1

Client Sample ID: MW-06

Lab Sample ID: 680-50834-7

Client Matrix: Drinking Water

Date Sampled: 09/15/2009 1002

Date Received: 09/17/2009 1057

524.2 Volatile Organic Compounds (GC/MS)

Method:	524.2	Analysis Batch: 680-149058	Instrument ID:	MSU
Preparation:	N/A		Lab File ID:	u0018.d
Dilution:	5.0		Initial Weight/Volume:	5 mL
Date Analyzed:	09/28/2009 2014	Run Type: DL	Final Weight/Volume:	5 mL
Date Prepared:				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Benzene	0.90	U	0.90	2.5
Bromobenzene	2.1	U	2.1	2.5
Bromoform	2.0	U	2.0	2.5
Bromomethane	2.2	U	2.2	5.0
Carbon tetrachloride	1.1	U	1.1	2.5
Chlorobenzene	1.4	U	1.4	2.5
Chlorodibromomethane	2.2	U	2.2	2.5
Chloroethane	1.6	U	1.6	5.0
Chloroform	1.4	U	1.4	2.5
Chloromethane	1.6	U	1.6	2.5
2-Chlorotoluene	0.85	U	0.85	2.5
4-Chlorotoluene	0.80	U	0.80	2.5
cis-1,2-Dichloroethene	1.8	U	1.8	2.5
cis-1,3-Dichloropropene	1.6	U	1.6	2.5
Dibromomethane	1.9	U	1.9	2.5
1,2-Dichlorobenzene	0.85	U	0.85	2.5
1,3-Dichlorobenzene	0.70	U	0.70	2.5
1,4-Dichlorobenzene	0.90	U	0.90	2.5
Dichlorobromomethane	2.7	U	2.7	5.0
1,1-Dichloroethane	2.0	U	2.0	2.5
1,2-Dichloroethane	0.85	U	0.85	2.5
1,1-Dichloroethene	1.6	U	1.6	2.5
1,2-Dichloropropane	2.2	U	2.2	2.5
1,3-Dichloropropane	2.2	U	2.2	2.5
2,2-Dichloropropane	1.6	U*	1.6	2.5
1,1-Dichloropropene	0.95	U	0.95	2.5
Ethylbenzene	0.60	U	0.60	2.5
Methylene Chloride	1.8	U	1.8	2.5
Methyl tert-butyl ether	1.3	U	1.3	2.5
m-Xylene & p-Xylene	2.1	U	2.1	2.5
o-Xylene	1.4	U	1.4	2.5
Styrene	1.4	U	1.4	2.5
1,1,1,2-Tetrachloroethane	0.80	U	0.80	2.5
1,1,2,2-Tetrachloroethane	0.90	U	0.90	2.5
Tetrachloroethene	1.5	U	1.5	2.5
Toluene	1.2	U	1.2	2.5
trans-1,2-Dichloroethene	1.2	U	1.2	2.5
trans-1,3-Dichloropropene	2.4	U	2.4	2.5
1,2,4-Trichlorobenzene	0.90	U	0.90	2.5
1,1,1-Trichloroethane	170	D	1.4	2.5
1,1,2-Trichloroethane	1.1	U	1.1	2.5
Trichloroethene	21	D	1.8	2.5
1,2,3-Trichloropropane	0.90	U	0.90	2.5
Vinyl chloride	1.6	U	1.6	2.5
Xylenes, Total	1.4	U	1.4	2.5

Analytical Data

Client: TestAmerica Laboratories, Inc.

Job Number: 680-50834-1

Client Sample ID: MW-06

Lab Sample ID: 680-50834-7

Client Matrix: Drinking Water

Date Sampled: 09/15/2009 1002

Date Received: 09/17/2009 1057

524.2 Volatile Organic Compounds (GC/MS)

Method:	524.2	Analysis Batch:	680-149058	Instrument ID:	MSU
Preparation:	N/A			Lab File ID:	u0018.d
Dilution:	5.0			Initial Weight/Volume:	5 mL
Date Analyzed:	09/28/2009 2014	Run Type:	DL	Final Weight/Volume:	5 mL
Date Prepared:					

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	87 ✓		70 - 130
1,2-Dichlorobenzene-d4	90 ✓		70 - 130

Analytical Data

Client: TestAmerica Laboratories, Inc.

Job Number: 680-50834-1

Client Sample ID: MW-02D

Lab Sample ID: 680-50834-8

Date Sampled: 09/15/2009 1051

Client Matrix: Drinking Water

Date Received: 09/17/2009 1057

524.2 Volatile Organic Compounds (GC/MS)

Method:	524.2	Analysis Batch: 680-149058	Instrument ID:	MSU
Preparation:	N/A		Lab File ID:	u0008.d
Dilution:	1.0		Initial Weight/Volume:	5 mL
Date Analyzed:	09/28/2009 1615		Final Weight/Volume:	5 mL
Date Prepared:				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Benzene	0.18	U	0.18	0.50
Bromobenzene	0.42	U	0.42	0.50
Bromoform	0.39	U	0.39	0.50
Bromomethane	0.45	U	0.45	1.0
Carbon tetrachloride	0.22	U	0.22	0.50
Chlorobenzene	0.27	U	0.27	0.50
Chlorodibromomethane	0.43	U	0.43	0.50
Chloroethane	0.33	U	0.33	1.0
Chloroform	0.29	U	0.29	0.50
Chloromethane	0.32	U	0.32	0.50
2-Chlorotoluene	0.17	U	0.17	0.50
4-Chlorotoluene	0.16	U	0.16	0.50
cis-1,2-Dichloroethene	43		0.37	0.50
cis-1,3-Dichloropropene	0.32	U	0.32	0.50
Dibromomethane	0.38	U	0.38	0.50
1,2-Dichlorobenzene	0.17	U	0.17	0.50
1,3-Dichlorobenzene	0.14	U	0.14	0.50
1,4-Dichlorobenzene	0.18	U	0.18	0.50
Dichlorobromomethane	0.54	U	0.54	1.0
1,1-Dichloroethane	9.9		0.39	0.50
1,2-Dichloroethane	0.17	U	0.17	0.50
1,1-Dichloroethene	1.1		0.32	0.50
1,2-Dichloropropane	0.45	U	0.45	0.50
1,3-Dichloropropane	0.43	U	0.43	0.50
2,2-Dichloropropane	0.31	U*	0.31	0.50
1,1-Dichloropropene	0.19	U	0.19	0.50
Ethylbenzene	0.12	U	0.12	0.50
Methylene Chloride	0.36	U	0.36	0.50
Methyl tert-butyl ether	0.26	U	0.26	0.50
m-Xylene & p-Xylene	0.42	U	0.42	0.50
o-Xylene	0.27	U	0.27	0.50
Styrene	0.28	U	0.28	0.50
1,1,1,2-Tetrachloroethane	0.16	U	0.16	0.50
1,1,2,2-Tetrachloroethane	0.18	U	0.18	0.50
Tetrachloroethene	160	E	0.30	0.50
Toluene	0.23	U	0.23	0.50
trans-1,2-Dichloroethene	2.6		0.24	0.50
trans-1,3-Dichloropropene	0.48	U	0.48	0.50
1,2,4-Trichlorobenzene	0.18	U	0.18	0.50
1,1,1-Trichloroethane	110	E	0.27	0.50
1,1,2-Trichloroethane	0.22	U	0.22	0.50
Trichloroethene	200	E	0.37	0.50
1,2,3-Trichloropropane	0.18	U	0.18	0.50
Vinyl chloride	0.33	U	0.33	0.50
Xylenes, Total	0.27	U	0.27	0.50

Report Diluted Value

Analytical Data

Client: TestAmerica Laboratories, Inc.

Job Number: 680-50834-1

Client Sample ID: MW-02D

Lab Sample ID: 680-50834-8

Client Matrix: Drinking Water

Date Sampled: 09/15/2009 1051

Date Received: 09/17/2009 1057

524.2 Volatile Organic Compounds (GC/MS)

Method:	524.2	Analysis Batch: 680-149058	Instrument ID:	MSU
Preparation:	N/A		Lab File ID:	u0008.d
Dilution:	1.0		Initial Weight/Volume:	5 mL
Date Analyzed:	09/28/2009 1615		Final Weight/Volume:	5 mL
Date Prepared:				

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	93 ✓		70 - 130
1,2-Dichlorobenzene-d4	85 ✓		70 - 130

Analytical Data

Client: TestAmerica Laboratories, Inc.

Job Number: 680-50834-1

Client Sample ID: MW-02D

Lab Sample ID: 680-50834-8

Client Matrix: Drinking Water

Date Sampled: 09/15/2009 1051

Date Received: 09/17/2009 1057

524.2 Volatile Organic Compounds (GC/MS)

Method:	524.2	Analysis Batch:	680-149058	Instrument ID:	MSU
Preparation:	N/A			Lab File ID:	u0019.d
Dilution:	5.0			Initial Weight/Volume:	5 mL
Date Analyzed:	09/28/2009 2039	Run Type:	DL	Final Weight/Volume:	5 mL
Date Prepared:					

Analyte	Result (ug/L)	Qualifier	MDL	RL
Benzene	0.90	U	0.90	2.5
Bromobenzene	2.1	U	2.1	2.5
Bromoform	2.0	U	2.0	2.5
Bromomethane	2.2	U	2.2	5.0
Carbon tetrachloride	1.1	U	1.1	2.5
Chlorobenzene	1.4	U	1.4	2.5
Chlorodibromomethane	2.2	U	2.2	2.5
Chloroethane	1.6	U	1.6	5.0
Chloroform	1.4	U	1.4	2.5
Chloromethane	1.6	U	1.6	2.5
2-Chlorotoluene	0.85	U	0.85	2.5
4-Chlorotoluene	0.80	U	0.80	2.5
cis-1,2-Dichloroethene	39	D	1.8	2.5
cis-1,3-Dichloropropene	1.6	U	1.6	2.5
Dibromomethane	1.9	U	1.9	2.5
1,2-Dichlorobenzene	0.85	U	0.85	2.5
1,3-Dichlorobenzene	0.70	U	0.70	2.5
1,4-Dichlorobenzene	0.90	U	0.90	2.5
Dichlorobromomethane	2.7	U	2.7	5.0
1,1-Dichloroethane	8.2	D	2.0	2.5
1,2-Dichloroethane	0.85	U	0.85	2.5
1,1-Dichloroethene	1.6	U	1.6	2.5
1,2-Dichloropropane	2.2	U	2.2	2.5
1,3-Dichloropropane	2.2	U	2.2	2.5
2,2-Dichloropropane	1.6	U*	1.6	2.5
1,1-Dichloropropene	0.95	U	0.95	2.5
Ethylbenzene	0.60	U	0.60	2.5
Methylene Chloride	1.8	U	1.8	2.5
Methyl tert-butyl ether	1.3	U	1.3	2.5
m-Xylene & p-Xylene	2.1	U	2.1	2.5
o-Xylene	1.4	U	1.4	2.5
Styrene	1.4	U	1.4	2.5
1,1,1,2-Tetrachloroethane	0.80	U	0.80	2.5
1,1,2,2-Tetrachloroethane	0.90	U	0.90	2.5
Tetrachloroethene	150	D	1.5	2.5
Toluene	1.2	U	1.2	2.5
trans-1,2-Dichloroethene	2.4	JD	1.2	2.5
trans-1,3-Dichloropropene	2.4	U	2.4	2.5
1,2,4-Trichlorobenzene	0.90	U	0.90	2.5
1,1,1-Trichloroethane	110	D	1.4	2.5
1,1,2-Trichloroethane	1.1	U	1.1	2.5
Trichloroethene	220	D	1.8	2.5
1,2,3-Trichloropropane	0.90	U	0.90	2.5
Vinyl chloride	1.6	U	1.6	2.5
Xylenes, Total	1.4	U	1.4	2.5

Analytical Data

Client: TestAmerica Laboratories, Inc.

Job Number: 680-50834-1

Client Sample ID: MW-02D

Lab Sample ID: 680-50834-8

Client Matrix: Drinking Water

Date Sampled: 09/15/2009 1051

Date Received: 09/17/2009 1057

524.2 Volatile Organic Compounds (GC/MS)

Method:	524.2	Analysis Batch:	680-149058	Instrument ID:	MSU
Preparation:	N/A			Lab File ID:	u0019.d
Dilution:	5.0			Initial Weight/Volume:	5 mL
Date Analyzed:	09/28/2009 2039	Run Type:	DL	Final Weight/Volume:	5 mL
Date Prepared:					

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	81 ✓		70 - 130
1,2-Dichlorobenzene-d4	85 ✓		70 - 130

Analytical Data

Client: TestAmerica Laboratories, Inc.

Job Number: 680-50834-1

Client Sample ID: MW-04D

Lab Sample ID: 680-50834-9

Date Sampled: 09/15/2009 1130

Client Matrix: Drinking Water

Date Received: 09/17/2009 1057

524.2 Volatile Organic Compounds (GC/MS)

Method:	524.2	Analysis Batch: 680-149058	Instrument ID:	MSU
Preparation:	N/A		Lab File ID:	u0009.d
Dilution:	1.0		Initial Weight/Volume:	5 mL
Date Analyzed:	09/28/2009 1639		Final Weight/Volume:	5 mL
Date Prepared:				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Benzene	0.18	U	0.18	0.50
Bromobenzene	0.42	U	0.42	0.50
Bromoform	0.39	U	0.39	0.50
Bromomethane	0.45	U	0.45	1.0
Carbon tetrachloride	0.22	U	0.22	0.50
Chlorobenzene	0.27	U	0.27	0.50
Chlorodibromomethane	0.43	U	0.43	0.50
Chloroethane	0.33	U	0.33	1.0
Chloroform	7.1		0.29	0.50
Chloromethane	0.32	U	0.32	0.50
2-Chlorotoluene	0.17	U	0.17	0.50
4-Chlorotoluene	0.16	U	0.16	0.50
cis-1,2-Dichloroethene	16		0.37	0.50
cis-1,3-Dichloropropene	0.32	U	0.32	0.50
Dibromomethane	0.38	U	0.38	0.50
1,2-Dichlorobenzene	0.17	U	0.17	0.50
1,3-Dichlorobenzene	0.14	U	0.14	0.50
1,4-Dichlorobenzene	0.18	U	0.18	0.50
Dichlorobromomethane	2.6		0.54	1.0
1,1-Dichloroethane	10		0.39	0.50
1,2-Dichloroethane	0.17	U	0.17	0.50
1,1-Dichloroethene	0.48	J	0.32	0.50
1,2-Dichloropropane	0.45	U	0.45	0.50
1,3-Dichloropropane	0.43	U	0.43	0.50
2,2-Dichloropropane	0.31	U*	0.31	0.50
1,1-Dichloropropene	0.19	U	0.19	0.50
Ethylbenzene	0.12	U	0.12	0.50
Methylene Chloride	0.36	U	0.36	0.50
Methyl tert-butyl ether	0.26	U	0.26	0.50
m-Xylene & p-Xylene	0.42	U	0.42	0.50
o-Xylene	0.27	U	0.27	0.50
Styrene	0.28	U	0.28	0.50
1,1,1,2-Tetrachloroethane	0.16	U	0.16	0.50
1,1,2,2-Tetrachloroethane	0.18	U	0.18	0.50
Tetrachloroethene	90		0.30	0.50
Toluene	0.23	U	0.23	0.50
trans-1,2-Dichloroethene	0.90		0.24	0.50
trans-1,3-Dichloropropene	0.48	U	0.48	0.50
1,2,4-Trichlorobenzene	0.18	U	0.18	0.50
1,1,1-Trichloroethane	64		0.27	0.50
1,1,2-Trichloroethane	0.22	U	0.22	0.50
Trichloroethene	150	E	0.37	0.50
1,2,3-Trichloropropane	0.18	U	0.18	0.50
Vinyl chloride	0.33	U	0.33	0.50
Xylenes, Total	0.27	U	0.27	0.50

USE
DILUTED
VOL/LL

Analytical Data

Client: TestAmerica Laboratories, Inc.

Job Number: 680-50834-1

Client Sample ID: MW-04D

Lab Sample ID: 680-50834-9

Client Matrix: Drinking Water

Date Sampled: 09/15/2009 1130

Date Received: 09/17/2009 1057

624.2 Volatile Organic Compounds (GC/MS)

Method:	524.2	Analysis Batch:	680-149058	Instrument ID:	MSU
Preparation:	N/A			Lab File ID:	u0009.d
Dilution:	1.0			Initial Weight/Volume:	5 mL
Date Analyzed:	09/28/2009 1639			Final Weight/Volume:	5 mL
Date Prepared:					

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	87 ✓		70 - 130
1,2-Dichlorobenzene-d4	88 ✓		70 - 130

Analytical Data

Client: TestAmerica Laboratories, Inc.

Job Number: 680-50834-1

Client Sample ID: MW-04D

Lab Sample ID: 680-50834-9

Date Sampled: 09/15/2009 1130

Client Matrix: Drinking Water

Date Received: 09/17/2009 1057

524.2 Volatile Organic Compounds (GC/MS)

Method:	524.2	Analysis Batch: 680-149058	Instrument ID:	MSU
Preparation:	N/A		Lab File ID:	u0020.d
Dilution:	5.0		Initial Weight/Volume:	5 mL
Date Analyzed:	09/28/2009 2105	Run Type: DL	Final Weight/Volume:	5 mL
Date Prepared:				

Analyst	Result (ug/L)	Qualifier	MDL	RL
Benzene	0.90	U	0.90	2.5
Bromobenzene	2.1	U	2.1	2.5
Bromoform	2.0	U	2.0	2.5
Bromomethane	2.2	U	2.2	5.0
Carbon tetrachloride	1.1	U	1.1	2.5
Chlorobenzene	1.4	U	1.4	2.5
Chlorodibromomethane	2.2	U	2.2	2.5
Chloroethane	1.6	U	1.6	5.0
Chloroform	7.2	D	1.4	2.5
Chloromethane	1.6	U	1.6	2.5
2-Chlorotoluene	0.85	U	0.85	2.5
4-Chlorotoluene	0.80	U	0.80	2.5
cis-1,2-Dichloroethene	13	D	1.8	2.5
cis-1,3-Dichloropropene	1.6	U	1.6	2.5
Dibromomethane	1.9	U	1.9	2.5
1,2-Dichlorobenzene	0.85	U	0.85	2.5
1,3-Dichlorobenzene	0.70	U	0.70	2.5
1,4-Dichlorobenzene	0.90	U	0.90	2.5
Dichlorobromomethane	2.7	U	2.7	5.0
1,1-Dichloroethane	9.2	D	2.0	2.5
1,2-Dichloroethane	0.85	U	0.85	2.5
1,1-Dichloroethene	1.6	U	1.6	2.5
1,2-Dichloropropane	2.2	U	2.2	2.5
1,3-Dichloropropane	2.2	U	2.2	2.5
2,2-Dichloropropane	1.6	U*	1.6	2.5
1,1-Dichloropropene	0.95	U	0.95	2.5
Ethylbenzene	0.60	U	0.60	2.5
Methylene Chloride	1.8	U	1.8	2.5
Methyl tert-butyl ether	1.3	U	1.3	2.5
m-Xylene & p-Xylene	2.1	U	2.1	2.5
o-Xylene	1.4	U	1.4	2.5
Styrene	1.4	U	1.4	2.5
1,1,1,2-Tetrachloroethane	0.80	U	0.80	2.5
1,1,2,2-Tetrachloroethane	0.90	U	0.90	2.5
Tetrachloroethene	93	D	1.5	2.5
Toluene	1.2	U	1.2	2.5
trans-1,2-Dichloroethene	1.2	U	1.2	2.5
trans-1,3-Dichloropropene	2.4	U	2.4	2.5
1,2,4-Trichlorobenzene	0.90	U	0.90	2.5
1,1,1-Trichloroethane	70	D	1.4	2.5
1,1,2-Trichloroethane	1.1	U	1.1	2.5
Trichloroethene	180	D	1.8	2.5
1,2,3-Trichloropropane	0.90	U	0.90	2.5
Vinyl chloride	1.6	U	1.6	2.5
Xylenes, Total	1.4	U	1.4	2.5

Analytical Data

Client: TestAmerica Laboratories, Inc.

Job Number: 680-50834-1

Client Sample ID: MW-04D

Lab Sample ID: 680-50834-9

Client Matrix: Drinking Water

Date Sampled: 09/15/2009 1130

Date Received: 09/17/2009 1057

524.2 Volatile Organic Compounds (GC/MS)

Method:	524.2	Analysis Batch:	680-149058	Instrument ID:	MSU
Preparation:	N/A			Lab File ID:	u0020.d
Dilution:	5.0			Initial Weight/Volume:	5 mL
Date Analyzed:	09/28/2009 2105	Run Type:	DL	Final Weight/Volume:	5 mL
Date Prepared:					

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	86 ✓		70 - 130
1,2-Dichlorobenzene-d4	87 ✓		70 - 130

Analytical Data

Client: TestAmerica Laboratories, Inc.

Job Number: 680-50834-1

Dupe of GSS-MW-1S

Client Sample ID: DUPE#1

Lab Sample ID: 680-50834-10

Client Matrix: Drinking Water

Date Sampled: 09/15/2009 1425

Date Received: 09/17/2009 1057

524.2 Volatile Organic Compounds (GC/MS)

Method:	524.2	Analysis Batch:	680-149058	Instrument.ID:	MSU
Preparation:	N/A			Lab File ID:	u0010.d
Dilution:	1.0			Initial Weight/Volume:	5 mL
Date Analyzed:	09/28/2009 1702			Final Weight/Volume:	5 mL
Date Prepared:					

Analyte	Result (ug/L)	Qualifier	MDL	RL
Benzene	0.18	U	0.18	0.50
Bromobenzene	0.42	U	0.42	0.50
Bromoform	0.39	U	0.39	0.50
Bromomethane	0.45	U	0.45	1.0
Carbon tetrachloride	0.22	U	0.22	0.50
Chlorobenzene	0.27	U	0.27	0.50
Chlorodibromomethane	0.43	U	0.43	0.50
Chloroethane	0.33	U	0.33	1.0
Chloroform	0.29	U	0.29	0.50
Chloromethane	0.32	U	0.32	0.50
2-Chlorotoluene	0.17	U	0.17	0.50
4-Chlorotoluene	0.16	U	0.16	0.50
cis-1,2-Dichloroethene	11		0.37	0.50
cis-1,3-Dichloropropene	0.32	U	0.32	0.50
Dibromomethane	0.38	U	0.38	0.50
1,2-Dichlorobenzene	0.17	U	0.17	0.50
1,3-Dichlorobenzene	0.14	U	0.14	0.50
1,4-Dichlorobenzene	0.18	U	0.18	0.50
Dichlorobromomethane	0.54	U	0.54	1.0
1,1-Dichloroethane	1.2		0.39	0.50
1,2-Dichloroethane	0.17	U	0.17	0.50
1,1-Dichloroethene	0.32	U	0.32	0.50
1,2-Dichloropropane	0.45	U	0.45	0.50
1,3-Dichloropropane	0.43	U	0.43	0.50
2,2-Dichloropropane	0.31	U*	0.31	0.50
1,1-Dichloropropene	0.19	U	0.19	0.50
Ethylbenzene	0.12	U	0.12	0.50
Methylene Chloride	0.36	U	0.36	0.50
Methyl tert-butyl ether	0.26	U	0.26	0.50
m-Xylene & p-Xylene	0.42	U	0.42	0.50
o-Xylene	0.27	U	0.27	0.50
Styrene	0.28	U	0.28	0.50
1,1,1,2-Tetrachloroethane	0.16	U	0.16	0.50
1,1,2,2-Tetrachloroethane	0.18	U	0.18	0.50
Tetrachloroethene	25		0.30	0.50
Toluene	0.23	U	0.23	0.50
trans-1,2-Dichloroethene	0.70		0.24	0.50
trans-1,3-Dichloropropene	0.48	U	0.48	0.50
1,2,4-Trichlorobenzene	0.18	U	0.18	0.50
1,1,1-Trichloroethane	31		0.27	0.50
1,1,2-Trichloroethane	0.22	U	0.22	0.50
Trichloroethene	38		0.37	0.50
1,2,3-Trichloropropane	0.18	U	0.18	0.50
Vinyl chloride	0.33	U	0.33	0.50
Xylenes, Total	0.27	U	0.27	0.50

Analytical Data

Client: TestAmerica Laboratories, Inc.

Job Number: 680-50834-1

Client Sample ID: DUPE#1

Lab Sample ID: 680-50834-10

Date Sampled: 09/15/2009 1425

Client Matrix: Drinking Water

Date Received: 09/17/2009 1057

524.2 Volatile Organic Compounds (GC/MS)

Method:	524.2	Analysis Batch:	680-149058	Instrument ID:	MSU
Preparation:	N/A			Lab File ID:	u0010.d
Dilution:	1.0			Initial Weight/Volume:	5 mL
Date Analyzed:	09/28/2009 1702			Final Weight/Volume:	5 mL
Date Prepared:					

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	90 ✓		70 - 130
1,2-Dichlorobenzene-d4	84 ✓		70 - 130

Analytical Data

Client: TestAmerica Laboratories, Inc.

Job Number: 680-50834-1

Client Sample ID: TRIP BLANKS

Lab Sample ID: 680-50834-11TB

Date Sampled: 09/15/2009 0000

Client Matrix: Drinking Water

Date Received: 09/17/2009 1057

524.2 Volatile Organic Compounds (GC/MS)

Method:	524.2	Analysis Batch: 680-149058	Instrument ID:	MSU
Preparation:	N/A		Lab File ID:	u0011.d
Dilution:	1.0		Initial Weight/Volume:	5 mL
Date Analyzed:	09/28/2009 1726		Final Weight/Volume:	5 mL
Date Prepared:				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Benzene	0.18	U	0.18	0.50
Bromobenzene	0.42	U	0.42	0.50
Bromoform	0.39	U	0.39	0.50
Bromomethane	0.45	U	0.45	1.0
Carbon tetrachloride	0.22	U	0.22	0.50
Chlorobenzene	0.27	U	0.27	0.50
Chlorodibromomethane	0.43	U	0.43	0.50
Chloroethane	0.33	U	0.33	1.0
Chloroform	0.29	U	0.29	0.50
Chloromethane	0.32	U	0.32	0.50
2-Chlorotoluene	0.17	U	0.17	0.50
4-Chlorotoluene	0.16	U	0.16	0.50
cis-1,2-Dichloroethene	0.37	U	0.37	0.50
cis-1,3-Dichloropropene	0.32	U	0.32	0.50
Dibromomethane	0.38	U	0.38	0.50
1,2-Dichlorobenzene	0.17	U	0.17	0.50
1,3-Dichlorobenzene	0.14	U	0.14	0.50
1,4-Dichlorobenzene	0.18	U	0.18	0.50
Dichlorobromomethane	0.54	U	0.54	1.0
1,1-Dichloroethane	0.39	U	0.39	0.50
1,2-Dichloroethane	0.17	U	0.17	0.50
1,1-Dichloroethene	0.32	U	0.32	0.50
1,2-Dichloropropane	0.45	U	0.45	0.50
1,3-Dichloropropane	0.43	U	0.43	0.50
2,2-Dichloropropane	0.31	U*	0.31	0.50
1,1-Dichloropropene	0.19	U	0.19	0.50
Ethylbenzene	0.12	U	0.12	0.50
Methylene Chloride	0.36	U	0.36	0.50
Methyl tert-butyl ether	0.26	U	0.26	0.50
m-Xylene & p-Xylene	0.42	U	0.42	0.50
o-Xylene	0.27	U	0.27	0.50
Styrene	0.28	U	0.28	0.50
1,1,1,2-Tetrachloroethane	0.16	U	0.16	0.50
1,1,2,2-Tetrachloroethane	0.18	U	0.18	0.50
Tetrachloroethene	0.30	U	0.30	0.50
Toluene	0.23	U	0.23	0.50
trans-1,2-Dichloroethene	0.24	U	0.24	0.50
trans-1,3-Dichloropropene	0.48	U	0.48	0.50
1,2,4-Trichlorobenzene	0.18	U	0.18	0.50
1,1,1-Trichloroethane	0.27	U	0.27	0.50
1,1,2-Trichloroethane	0.22	U	0.22	0.50
Trichloroethene	0.37	U	0.37	0.50
1,2,3-Trichloropropane	0.18	U	0.18	0.50
Vinyl chloride	0.33	U	0.33	0.50
Xylenes, Total	0.27	U	0.27	0.50

Analytical Data

Client: TestAmerica Laboratories, Inc.

Job Number: 680-50834-1

Client Sample ID: TRIP BLANKS

Lab Sample ID: 680-50834-11TB

Date Sampled: 09/15/2009 0000

Client Matrix: Drinking Water

Date Received: 09/17/2009 1057

524.2 Volatile Organic Compounds (GC/MS)

Method:	524.2	Analysis Batch:	680-149058	Instrument ID:	MSU
Preparation:	N/A			Lab File ID:	u0011.d
Dilution:	1.0			Initial Weight/Volume:	5 mL
Date Analyzed:	09/28/2009 1726			Final Weight/Volume:	5 mL
Date Prepared:					

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	90 ✓		70 - 130
1,2-Dichlorobenzene-d4	86 ✓		70 - 130

DATA REPORTING QUALIFIERS

Client: TestAmerica Laboratories, Inc.

Job Number: 680-50834-1

Lab Section	Qualifier	Description
GC/MS VOA		
	U	Indicates the analyte was analyzed for but not detected.
	*	LCS or LCSD exceeds the control limits
	F	MS or MSD exceeds the control limits
	4	MS, MSD: The analyte present in the original sample is 4 times greater than the matrix spike concentration; therefore, control limits are not applicable.
	E	Result exceeded calibration range.
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
	D	Surrogate or matrix spike recoveries were not obtained because the extract was diluted for analysis; also compounds analyzed at a dilution may be flagged with a D.

Quality Control Results

Client: TestAmerica Laboratories, Inc.

Job Number: 680-50834-1

Method Blank - Batch: 680-149058

Method: 524.2

Preparation: N/A

Lab Sample ID: MB 680-149058/6
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 09/28/2009 1225
Date Prepared: N/A

Analysis Batch: 680-149058
Prep Batch: N/A
Units: ug/L

Instrument ID: GC/MS Volatiles - U
Lab File ID: uq014.d
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result	Qual	MDL	RL
Benzene	0.18	U	0.18	0.50
Bromobenzene	0.42	U	0.42	0.50
Bromoform	0.39	U	0.39	0.50
Bromomethane	0.45	U	0.45	1.0
Carbon tetrachloride	0.22	U	0.22	0.50
Chlorobenzene	0.27	U	0.27	0.50
Chlorodibromomethane	0.43	U	0.43	0.50
Chloroethane	0.33	U	0.33	1.0
Chloroform	0.29	U	0.29	0.50
Chloromethane	0.32	U	0.32	0.50
2-Chlorotoluene	0.17	U	0.17	0.50
4-Chlorotoluene	0.16	U	0.16	0.50
cis-1,2-Dichloroethene	0.37	U	0.37	0.50
cis-1,3-Dichloropropene	0.32	U	0.32	0.50
Dibromomethane	0.38	U	0.38	0.50
1,2-Dichlorobenzene	0.17	U	0.17	0.50
1,3-Dichlorobenzene	0.14	U	0.14	0.50
1,4-Dichlorobenzene	0.18	U	0.18	0.50
Dichlorobromomethane	0.54	U	0.54	1.0
1,1-Dichloroethane	0.39	U	0.39	0.50
1,2-Dichloroethane	0.17	U	0.17	0.50
1,1-Dichloroethene	0.32	U	0.32	0.50
1,2-Dichloropropane	0.45	U	0.45	0.50
1,3-Dichloropropane	0.43	U	0.43	0.50
2,2-Dichloropropane	0.31	U	0.31	0.50
1,1-Dichloropropene	0.19	U	0.19	0.50
Ethylbenzene	0.12	U	0.12	0.50
Methylene Chloride	0.36	U	0.36	0.50
Methyl tert-butyl ether	0.26	U	0.26	0.50
m-Xylene & p-Xylene	0.42	U	0.42	0.50
o-Xylene	0.27	U	0.27	0.50
Styrene	0.28	U	0.28	0.50
1,1,1,2-Tetrachloroethane	0.16	U	0.16	0.50
1,1,2,2-Tetrachloroethane	0.18	U	0.18	0.50
Tetrachloroethene	0.30	U	0.30	0.50
Toluene	0.23	U	0.23	0.50
trans-1,2-Dichloroethene	0.24	U	0.24	0.50
trans-1,3-Dichloropropene	0.48	U	0.48	0.50
1,2,4-Trichlorobenzene	0.18	U	0.18	0.50
1,1,1-Trichloroethane	0.27	U	0.27	0.50
1,1,2-Trichloroethane	0.22	U	0.22	0.50

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: TestAmerica Laboratories, Inc.

Job Number: 680-50834-1

Method Blank - Batch: 680-149058

Method: 524.2

Preparation: N/A

Lab Sample ID: MB 680-149058/6

Analysis Batch: 680-149058

Instrument ID: GC/MS Volatiles - U

Client Matrix: Water

Prep Batch: N/A

Lab File ID: uq014.d

Dilution: 1.0

Units: ug/L

Initial Weight/Volume: 5 mL

Date Analyzed: 09/28/2009 1225

Final Weight/Volume: 5 mL

Date Prepared: N/A

Analyte	Result	Qual	MDL	RL
Trichloroethene	0.37	U	0.37	0.50
1,2,3-Trichloropropane	0.18	U ✓	0.18	0.50
Vinyl chloride	0.33	U ✓	0.33	0.50
Xylenes, Total	0.27	U	0.27	0.50

Surrogate	% Rec	Acceptance Limits
4-Bromofluorobenzene	89 ✓	70 - 130
1,2-Dichlorobenzene-d4	85 ✓	70 - 130

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: TestAmerica Laboratories, Inc.

Job Number: 680-50834-1

**Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 680-149058**

Method: 524.2

Preparation: N/A

LCS Lab Sample ID: LCS 680-149058/4

Client Matrix: Water

Dilution:

1.0

Date Analyzed: 09/28/2009 1050

Date Prepared: N/A

Analysis Batch: 680-149058

Prep Batch: N/A

Units: ug/L

Instrument ID: GC/MS Volatiles - U

Lab File ID: uq012.d

Initial Weight/Volume: 5 mL

Final Weight/Volume: 5 mL

LCSD Lab Sample ID: LCSD 680-149058/5

Client Matrix: Water

Dilution:

1.0

Date Analyzed: 09/28/2009 1114

Date Prepared: N/A

Analysis Batch: 680-149058

Prep Batch: N/A

Units: ug/L

Instrument ID: GC/MS Volatiles - U

Lab File ID: uq013.d

Initial Weight/Volume: 5 mL

Final Weight/Volume: 5 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Benzene	100	93	70 - 130	7	30		
Bromobenzene	105	98	70 - 130	7	30		
Bromoform	90	85	70 - 130	6	30		
Bromomethane	103	102	70 - 130	1	30		
Carbon tetrachloride	119	110	70 - 130	8	30		
Chlorobenzene	101	94	70 - 130	6	30		
Chlorodibromomethane	120	108	70 - 130	10	30		
Chloroethane	95	87	70 - 130	8	30		
Chloroform	102	98	70 - 130	3	30		
Chloromethane	100	92	70 - 130	8	30		
2-Chlorotoluene	104	98	70 - 130	6	30		
4-Chlorotoluene	106	99	70 - 130	6	30		
cis-1,2-Dichloroethene	112	107	70 - 130	4	30		
cis-1,3-Dichloropropene	118	113	70 - 130	4	30		
Dibromomethane	104	98	70 - 130	6	30		
1,2-Dichlorobenzene	96	91	70 - 130	5	30		
1,3-Dichlorobenzene	104	98	70 - 130	5	30		
1,4-Dichlorobenzene	103	94	70 - 130	9	30		
Dichlorobromomethane	109	101	70 - 130	7	30		
1,1-Dichloroethane	98	90	70 - 130	8	30		
1,2-Dichloroethane	94	90	70 - 130	4	30		
1,1-Dichloroethene	91	87	70 - 130	5	30		
1,2-Dichloropropane	113	106	70 - 130	6	30		
1,3-Dichloropropane	96	89	70 - 130	7	30		
2,2-Dichloropropane	146	136	70 - 130	7	30	*	*
1,1-Dichloropropene	108	98	70 - 130	7	30		
Ethylbenzene	99	91	70 - 130	9	30		
Methylene Chloride	95	89	70 - 130	7	30		
Methyl tert-butyl ether	106	99	70 - 130	7	30		
m-Xylene & p-Xylene	106	103	70 - 130	3	30		
o-Xylene	111	107	70 - 130	4	30		
Styrene	110	105	70 - 130	5	30		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: TestAmerica Laboratories, Inc.

Job Number: 680-50834-1

**Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 680-149058**

Method: 524.2

Preparation: N/A

LCS Lab Sample ID: LCS 680-149058/4
 Client Matrix: Water
 Dilution: 1.0
 Date Analyzed: 09/28/2009 1050
 Date Prepared: N/A

Analysis Batch: 680-149058
 Prep Batch: N/A
 Units: ug/L

Instrument ID: GC/MS Volatiles - U
 Lab File ID: uq012.d
 Initial Weight/Volume: 5 mL
 Final Weight/Volume: 5 mL

LCSD Lab Sample ID: LCSD 680-149058/5
 Client Matrix: Water
 Dilution: 1.0
 Date Analyzed: 09/28/2009 1114
 Date Prepared: N/A

Analysis Batch: 680-149058
 Prep Batch: N/A
 Units: ug/L

Instrument ID: GC/MS Volatiles - U
 Lab File ID: uq013.d
 Initial Weight/Volume: 5 mL
 Final Weight/Volume: 5 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
1,1,1,2-Tetrachloroethane	106	95	70 - 130	11	30		
1,1,2,2-Tetrachloroethane	100	96	70 - 130	4	30		
Tetrachloroethylene	101	97	70 - 130	5	30		
Toluene	100	95	70 - 130	5	30		
trans-1,2-Dichloroethene	98	88	70 - 130	11	30		
trans-1,3-Dichloropropene	127	119	70 - 130	6	30		
1,2,4-Trichlorobenzene	114	110	70 - 130	3	30		
1,1,1-Trichloroethane	107	99	70 - 130	7	30		
1,1,2-Trichloroethane	103	96	70 - 130	8	30		
Trichloroethylene	113	102	70 - 130	11	30		
1,2,3-Trichloropropane	109	101	70 - 130	8	30		
Vinyl chloride	97	90	70 - 130	8	30		
Xylenes, Total	108	104	70 - 130	4	30		
Surrogate	LCS % Rec		LCSD % Rec		Acceptance Limits		
4-Bromofluorobenzene	106 ✓		103 ✓		70 - 130		
1,2-Dichlorobenzene-d4	106 ✓		101 ✓		70 - 130		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: TestAmerica Laboratories, Inc.

Job Number: 680-50834-1

Method Blank - Batch: 680-149143

Method: 524.2

Preparation: N/A

Lab Sample ID: MB 680-149143/25

Analysis Batch: 680-149143

Instrument ID: GC/MS Volatiles - U

Client Matrix: Water

Prep Batch: N/A

Lab File ID: uq024.d

Dilution: 1.0

Units: ug/L

Initial Weight/Volume: 5 mL

Date Analyzed: 09/29/2009 0156

Final Weight/Volume: 5 mL

Date Prepared: N/A

Analyte	Result	Qual	MDL	RL
Benzene	0.18	U	0.18	0.50
Bromobenzene	0.42	U	0.42	0.50
Bromoform	0.39	U	0.39	0.50
Bromomethane	0.45	U	0.45	1.0
Carbon tetrachloride	0.22	U	0.22	0.50
Chlorobenzene	0.27	U	0.27	0.50
Chlorodibromomethane	0.43	U	0.43	0.50
Chloroethane	0.33	U	0.33	1.0
Chloroform	0.29	U	0.29	0.50
Chloromethane	0.32	U	0.32	0.50
2-Chlorotoluene	0.17	U	0.17	0.50
4-Chlorotoluene	0.16	U	0.16	0.50
cis-1,2-Dichloroethene	0.37	U	0.37	0.50
cis-1,3-Dichloropropene	0.32	U	0.32	0.50
Dibromomethane	0.38	U	0.38	0.50
1,2-Dichlorobenzene	0.17	U	0.17	0.50
1,3-Dichlorobenzene	0.14	U	0.14	0.50
1,4-Dichlorobenzene	0.18	U	0.18	0.50
Dichlorobromomethane	0.54	U	0.54	1.0
1,1-Dichloroethane	0.39	U	0.39	0.50
1,2-Dichloroethane	0.17	U	0.17	0.50
1,1-Dichloroethene	0.32	U	0.32	0.50
1,2-Dichloropropane	0.45	U	0.45	0.50
1,3-Dichloropropane	0.43	U	0.43	0.50
2,2-Dichloropropane	0.31	U	0.31	0.50
1,1-Dichloropropene	0.19	U	0.19	0.50
Ethylbenzene	0.12	U	0.12	0.50
Methylene Chloride	0.36	U	0.36	0.50
Methyl tert-butyl ether	0.26	U	0.26	0.50
m-Xylene & p-Xylene	0.42	U	0.42	0.50
o-Xylene	0.27	U	0.27	0.50
Styrene	0.28	U	0.28	0.50
1,1,1,2-Tetrachloroethane	0.16	U	0.16	0.50
1,1,2,2-Tetrachloroethane	0.18	U	0.18	0.50
Tetrachloroethene	0.30	U	0.30	0.50
Toluene	0.23	U	0.23	0.50
trans-1,2-Dichloroethene	0.24	U	0.24	0.50
trans-1,3-Dichloropropene	0.48	U	0.48	0.50
1,2,4-Trichlorobenzene	0.18	U	0.18	0.50
1,1,1-Trichloroethane	0.27	U	0.27	0.50
1,1,2-Trichloroethane	0.22	U	0.22	0.50

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: TestAmerica Laboratories, Inc.

Job Number: 680-50834-1

Method Blank - Batch: 680-149143

Method: 524.2

Preparation: N/A

Lab Sample ID: MB 680-149143/25

Analysis Batch: 680-149143

Instrument ID: GC/MS Volatiles - U

Client Matrix: Water

Prep Batch: N/A

Lab File ID: uq024.d

Dilution: 1.0

Units: ug/L

Initial Weight/Volume: 5 mL

Date Analyzed: 09/29/2009 0156

Final Weight/Volume: 5 mL

Date Prepared: N/A

Analyte	Result	Qual	MDL	RL
Trichloroethene	0.37	U	0.37	0.50
1,2,3-Trichloropropane	0.18	U	0.18	0.50
Vinyl chloride	0.33	U ✓	0.33	0.50
Xylenes, Total	0.27	U	0.27	0.50

Surrogate	% Rec	Acceptance Limits
4-Bromofluorobenzene	88 ✓	70 - 130
1,2-Dichlorobenzene-d4	89 ✓	70 - 130

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: TestAmerica Laboratories, Inc.

Job Number: 680-50834-1

**Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 680-149143**

Method: 524.2

Preparation: N/A

LCS Lab Sample ID: LCS 680-149143/23
 Client Matrix: Water
 Dilution: 1.0
 Date Analyzed: 09/29/2009 0019
 Date Prepared: N/A

Analysis Batch: 680-149143
 Prep Batch: N/A
 Units: ug/L

Instrument ID: GC/MS Volatiles - U
 Lab File ID: uq022.d
 Initial Weight/Volume: 5 mL
 Final Weight/Volume: 5 mL

LCSD Lab Sample ID: LCSD 680-149143/24
 Client Matrix: Water
 Dilution: 1.0
 Date Analyzed: 09/29/2009 0042
 Date Prepared: N/A

Analysis Batch: 680-149143
 Prep Batch: N/A
 Units: ug/L

Instrument ID: GC/MS Volatiles - U
 Lab File ID: uq023.d
 Initial Weight/Volume: 5 mL
 Final Weight/Volume: 5 mL

Analyte	% Rec.						
	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Benzene	96	91	70 - 130	5	30		
Bromobenzene	98	97	70 - 130	1	30		
Bromoform	86	83	70 - 130	4	30		
Bromomethane	84	77	70 - 130	8	30		
Carbon tetrachloride	108	101	70 - 130	6	30		
Chlorobenzene	97	94	70 - 130	3	30		
Chlorodibromomethane	113	111	70 - 130	1	30		
Chloroethane	106	96	70 - 130	10	30		
Chloroform	100	96	70 - 130	5	30		
Chloromethane	97	95	70 - 130	2	30		
2-Chlorotoluene	100	95	70 - 130	5	30		
4-Chlorotoluene	101	97	70 - 130	4	30		
cis-1,2-Dichloroethene	109	105	70 - 130	4	30		
cis-1,3-Dichloropropene	107	104	70 - 130	3	30		
Dibromomethane	101	98	70 - 130	3	30		
1,2-Dichlorobenzene	95	92	70 - 130	4	30		
1,3-Dichlorobenzene	101	99	70 - 130	2	30		
1,4-Dichlorobenzene	96	93	70 - 130	3	30		
Dichlorobromomethane	103	98	70 - 130	5	30		
1,1-Dichloroethane	98	90	70 - 130	8	30		
1,2-Dichloroethane	94	91	70 - 130	3	30		
1,1-Dichloroethene	100	90	70 - 130	10	30		
1,2-Dichloropropane	105	104	70 - 130	0	30		
1,3-Dichloropropane	91	89	70 - 130	3	30		
2,2-Dichloropropane	118	110	70 - 130	7	30		
1,1-Dichloropropene	99	93	70 - 130	6	30		
Ethylbenzene	96	89	70 - 130	7	30		
Methylene Chloride	93	87	70 - 130	6	30		
Methyl tert-butyl ether	101	99	70 - 130	2	30		
m-Xylene & p-Xylene	104	101	70 - 130	3	30		
o-Xylene	109	104	70 - 130	5	30		
Styrene	107	103	70 - 130	3	30		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: TestAmerica Laboratories, Inc.

Job Number: 680-50834-1

**Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 680-149143**

Method: 524.2

Preparation: N/A

LCS Lab Sample ID:	LCS 680-149143/23	Analysis Batch:	680-149143	Instrument ID:	GC/MS Volatiles - U
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	uq022.d
Dilution:	1.0	Units:	ug/L	Initial Weight/Volume:	5 mL
Date Analyzed:	09/29/2009 0019			Final Weight/Volume:	5 mL
Date Prepared:	N/A				

LCSD Lab Sample ID:	LCSD 680-149143/24	Analysis Batch:	680-149143	Instrument ID:	GC/MS Volatiles - U
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	uq023.d
Dilution:	1.0	Units:	ug/L	Initial Weight/Volume:	5 mL
Date Analyzed:	09/29/2009 0042			Final Weight/Volume:	5 mL
Date Prepared:	N/A				

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
1,1,1,2-Tetrachloroethane	97	96	70 - 130	1	30		
1,1,2,2-Tetrachloroethane	99	94	70 - 130	5	30		
Tetrachloroethene	104	93	70 - 130	12	30		
Toluene	99	95	70 - 130	4	30		
trans-1,2-Dichloroethene	96	93	70 - 130	3	30		
trans-1,3-Dichloropropene	118	112	70 - 130	6	30		
1,2,4-Trichlorobenzene	110	112	70 - 130	2	30		
1,1,1-Trichloroethane	100	97	70 - 130	3	30		
1,1,2-Trichloroethane	98	96	70 - 130	2	30		
Trichloroethene	109	101	70 - 130	7	30		
1,2,3-Trichloropropane	101	104	70 - 130	3	30		
Vinyl chloride	99	92	70 - 130	8	30		
Xylenes, Total	106	102	70 - 130	4	30		
Surrogate	LCS % Rec		LCSD % Rec		Acceptance Limits		
4-Bromofluorobenzene	98	✓	99	✓	70 - 130		
1,2-Dichlorobenzene-d4	101	✓	103	✓	70 - 130		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: TestAmerica Laboratories, Inc.

Job Number: 680-50834-1

Matrix Spike/

Matrix Spike Duplicate Recovery Report - Batch: 680-149143

Method: 524.2

Preparation: N/A

MS Lab Sample ID: 680-50834-9 Analysis Batch: 680-149058
 Client Matrix: Water Prep Batch: N/A
 Dilution: 1.0
 Date Analyzed: 09/28/2009 2129
 Date Prepared: N/A

Instrument ID: GC/MS Volatiles - U
 Lab File ID: u0021.d
 Initial Weight/Volume: 5 mL
 Final Weight/Volume: 5 mL

MSD Lab Sample ID: 680-50834-9 Analysis Batch: 680-149143
 Client Matrix: Water Prep Batch: N/A
 Dilution: 1.0
 Date Analyzed: 09/29/2009 1044
 Date Prepared: N/A

Instrument ID: GC/MS Volatiles - U
 Lab File ID: u0050.d
 Initial Weight/Volume: 5 mL
 Final Weight/Volume: 5 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Benzene	98	100	70 - 130	2	30		
Bromobenzene	104	101	70 - 130	3	30		
Bromoform	89	87	70 - 130	2	30		
Bromomethane	58	76	70 - 130	26	30	F	
Carbon tetrachloride	116	127	70 - 130	9	30		
Chlorobenzene	96	102	70 - 130	6	30		
Chlorodibromomethane	117	117	70 - 130	0	30		
Chloroethane	109	103	70 - 130	6	30		
Chloroform	96	106	70 - 130	8	30		
Chloromethane	95	103	70 - 130	7	30		
2-Chlorotoluene	103	106	70 - 130	3	30		
4-Chlorotoluene	105	107	70 - 130	2	30		
cis-1,2-Dichloroethene	94	99	70 - 130	2	30		
cis-1,3-Dichloropropene	110	112	70 - 130	2	30		
Dibromomethane	103	103	70 - 130	1	30		
1,2-Dichlorobenzene	100	95	70 - 130	5	30		
1,3-Dichlorobenzene	107	104	70 - 130	2	30		
1,4-Dichlorobenzene	102	100	70 - 130	2	30		
Dichlorobromomethane	101	106	70 - 130	4	30		
1,1-Dichloroethane	100	106	70 - 130	4	30		
1,2-Dichloroethane	93	93	70 - 130	1	30		
1,1-Dichloroethene	109	111	70 - 130	2	30		
1,2-Dichloropropane	111	110	70 - 130	2	30		
1,3-Dichloropropane	95	93	70 - 130	2	30		
2,2-Dichloropropane	122	132	70 - 130	8	30	F	
1,1-Dichloropropene	100	102	70 - 130	3	30		
Ethylbenzene	101	106	70 - 130	5	30		
Methylene Chloride	90	87	70 - 130	4	30		
Methyl tert-butyl ether	100	91	70 - 130	10	30		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: TestAmerica Laboratories, Inc.

Job Number: 680-50834-1

**Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 680-149143**

Method: 524.2

Preparation: N/A

MS Lab Sample ID: 680-50834-9 Analysis Batch: 680-149058
 Client Matrix: Water Prep Batch: N/A
 Dilution: 1.0
 Date Analyzed: 09/28/2009 2129
 Date Prepared: N/A

Instrument ID: GC/MS Volatiles - U
 Lab File ID: u0021.d
 Initial Weight/Volume: 5 mL
 Final Weight/Volume: 5 mL

MSD Lab Sample ID: 680-50834-9 Analysis Batch: 680-149143
 Client Matrix: Water Prep Batch: N/A
 Dilution: 1.0
 Date Analyzed: 09/29/2009 1044
 Date Prepared: N/A

Instrument ID: GC/MS Volatiles - U
 Lab File ID: u0050.d
 Initial Weight/Volume: 5 mL
 Final Weight/Volume: 5 mL

Analyte	% Rec.		RPD	RPD Limit	MS Qual	MSD Qual	
	MS	MSD					
m-Xylene & p-Xylene	107	112	70 - 130	4	30		
o-Xylene	112	111	70 - 130	1	30		
Styrene	111	113	70 - 130	2	30		
1,1,1,2-Tetrachloroethane	103	103	70 - 130	0	30		
1,1,2,2-Tetrachloroethane	107	95	70 - 130	11	30		
Tetrachloroethylene	15	75	70 - 130	12	30	E 4	
Toluene	101	103	70 - 130	1	30		
trans-1,2-Dichloroethene	92	99	70 - 130	7	30		
trans-1,3-Dichloropropene	117	116	70 - 130	1	30		
1,2,4-Trichlorobenzene	113	112	70 - 130	1	30		
1,1,1-Trichloroethane	41	85	70 - 130	11	30	E F	
1,1,2-Trichloroethane	114	111	70 - 130	2	30		
Trichloroethylene	-23	66	70 - 130	12	30	E 4	
1,2,3-Trichloropropane	109	101	70 - 130	7	30		
Vinyl chloride	98	105	70 - 130	7	30		
Xylenes, Total	109	112	70 - 130	3	30		
Surrogate		MS % Rec	MSD % Rec	Acceptance Limits			
4-Bromofluorobenzene	108 ✓	100 ✓		70 - 130			
1,2-Dichlorobenzene-d4	112 ✓	106 ✓		70 - 130			

Calculations are performed before rounding to avoid round-off errors in calculated results.

Laboratory	TestAmerica Savannah 5102 LaRoche Avenue		SAMPLE ANALYSIS REQUISITION	Report Package:	Report
	Lab Request	SR114867	Need Analytical Report	2009-09-30	
	Savannah, GA	31404			
	Client Code:	56426		Project Manager:	NATHAN PIETRAS
Sample I.D.	Work Order Number	Client Sample ID	Sampling Date	Analysis Required	
A9I160247-1	LKWPN9	GSSMW-09	2009-09-14 14:00	WATER, 524.1,DW VOC sent to STL Savanna	
A9I160247-2	LKWPJ	MW-07D	2009-09-14 14:40	WATER, 524.1,DW VOC sent to STL Savanna	
A9I160247-3	LKWPL	GSSMW-08	2009-09-14 15:15	WATER, 524.1,DW VOC sent to STL Savanna	
A9I160247-4	LKWPMM	MW-08	2009-09-14 15:55	WATER, 524.1,DW VOC sent to STL Savanna	
A9I160247-5	LKWPP	MW-P1	2009-09-14 16:36	WATER, 524.1,DW VOC sent to STL Savanna	
A9I160247-6	LKWPRL	GSSMW-15	2009-09-15 9:30	WATER, 524.1,DW VOC sent to STL Savanna	
A9I160247-7	LKWP3	MW-06	2009-09-15 10:02	WATER, 524.1,DW VOC sent to STL Savanna	
A9I160247-8	LKWP6	MW-02D	2009-09-15 10:51	WATER, 524.1,DW VOC sent to STL Savanna	
A9I160247-9	LKWP9	MW-04D	2009-09-15 11:30	WATER, 524.1,DW VOC sent to STL Savanna	
A9I160247-9 S	LKWP9	MW-04D	2009-09-15 11:30	WATER, 524.1,DW VOC sent to STL Savanna	
A9I160247-9 D	LKWP9	MW-04D	2009-09-15 11:30	WATER, 524.1,DW VOC sent to STL Savanna	

Please use Client Sample ID for report

Call NATHAN PIETRAS with questions at 330-497-9396

at the TAL North Canton Laboratory

Shipping Method: FED EX.

Need detection limit and analysis date included in report.

Please send a signed copy of this form with the report at completion of analysis.

09/29/2009 Relinquished by: Chris Dugil

Date/Time: 9-16-09 9:45

3.8°C
680-50834

Relinquished by:

Received for lab by:

Date/Time:

Date/Time:

George K. Lamm

PLEASE RETURN ORIGINAL SAMPLE ANALYSIS REQUISITION

Laboratory	TestAmerica Savannah 5102 LaRoche Avenue	TestAmerica Labora. SAMPLE ANALYSIS REQUISITION	Report Package:	Report
		Lab Request SR114867	Need Analytical Report	2009-09-30
	Savannah, GA 31404			
	Client Code: 56426		Project Manager:	NATHAN PIETRAS
<u>Sample ID.</u> A9I160247-10	<u>Work Order Number</u> LKWQH	<u>Client Sample ID</u> DUPE#1	<u>Sampling Date</u> 2009-09-15 14:25	<u>Analysis Required</u> WATER, 524.1,DW VOC sent to STL Savanna
A9I160247-11	LKWQL	TRIP BLANKS	2009-09-15	WATER, 524.1,DW VOC sent to STL Savanna

Page 45 of 45

Please use Client Sample ID for report
 Call NATHAN PIETRAS with questions at 330-497-9396
 at the TAL North Canton Laboratory

Need detection limit and analysis date included in report.

Please send a signed copy of this form with the report at completion of analysis.

09/29/2009
 Relinquished by: Chris Dyer Date/Time: 9-16-09 3:45
 Relinquished by: _____
 Received for lab by: Henry Rb Date/Time: 9/17/09 1052

Shipping Method: FED EX.

680-50834

PLEASE RETURN ORIGINAL SAMPLE ANALYSIS REQUISITION



END OF REPORT

Appendix D
2009 Site Inspection Forms



Los Alamos Technical Associates, Inc.
756 Park meadow Road
Westerville, OH 43081

SITE VISIT RECORD OF ACTIVITIES

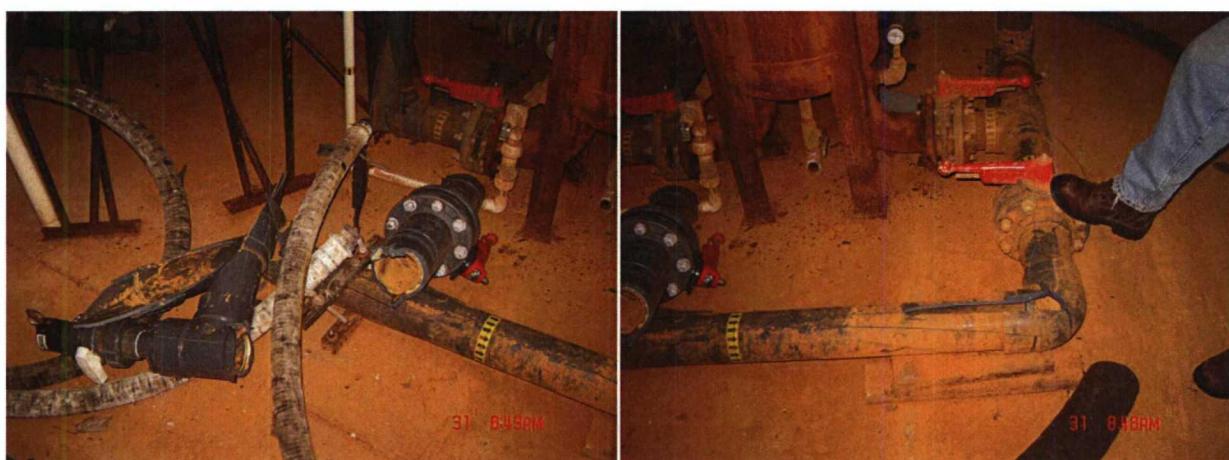
SITE: Granville Solvents
DATES: March 30, 2009

PROJECT # 10839.5314.04

PERSONNEL: Zeke Secore



Tree on east side fence.



Cracked pipe inside treatment building.

SITE INSPECTION FORM
Granville Solvents Superfund Site
Granville, OH

GENERAL INFORMATION

Note: Read the Inspection Form Instructions and Inspections Procedures on Page 4 of This Form Before Conducting the Inspection

- 1) Name of Inspector: ZEKE SIEVE
- 2) Company: LATA, INC.
- 3) Date: 3-30-09
- 4) Time: 1230
- 5) Weather:
- Temperature: 42°F
- Sunny Cloudy Windy Rainy Snowy
- 6) Ground Conditions:
- Wet Dry Snow
- 7) Is this a scheduled inspection? Yes No
If no, explain:

PERIMETER FENCE INSPECTION

- | | | |
|--|---|--|
| 8) Any signs of unauthorized entry? | Yes <input type="checkbox"/> | No <input checked="" type="checkbox"/> |
| 9) Are any fence posts damaged? | Yes <input type="checkbox"/> | No <input checked="" type="checkbox"/> |
| 10) Does fence appear to be in good condition? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> |
| 11) Are any signs missing? | Yes <input type="checkbox"/> | No <input checked="" type="checkbox"/> |
| 12) Are the signs readable? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> |
| 13) Upon arrival, were the gates locked? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> |
| 14) Are any of the locks broken? | Yes <input type="checkbox"/> | No <input checked="" type="checkbox"/> |

Comments:

SEE "ACTION ITEMS."

GROUNDS INSPECTION

15) Is there any settling, subsidence, or erosion evident?

Yes No

If YES, note area number and explain:

16) Are there any signs of stressed vegetation or no vegetation?

Yes No

If YES, note area and explain:

17) Are there any surface disturbances from vehicles or other physical actions?

Yes No

If YES, note area and explain:

18) Are there any gullies, washouts or other disturbances caused by water erosion?

Yes No

If YES, note area and explain:

19) Are there any signs of insects or pests? *Ans: YES*

If YES, note area and explain:

INSIDE SVE TRAILER, CHEWED UP CARPONATE + FECES.

20) Are the monitoring wells locked and in good condition?

Yes No

If NO, note well location and explain:

RIVER BENCHMARK INSPECTION

21) Is the surveyed benchmark:

visible?

Yes No

accessible? *BY FOOT ONLY.*

Yes No

clearly labeled?

H Yes No

undisturbed?

Yes No

If NO, note area and explain:

NEED TO PLACE ELEVATION LABEL ON BENCHMARK.

ACTION ITEMS

Huge tree on E. fence, w/ 100' from MW-05, possibly from lightning strike, top rail is bent & may need to be replaced.

Would need @ least 1 full day to remove most vegetation from fences.

1240 3-31-09 METER READINGS 0' 14381 21' 007.339

3-31-09 CLEANED SUE TRAIL & BLURRED VALVE ENTRANCE ON N. SIDE OF SUE TRAIL W/LARGE STONES
REMOVED 1 BAG OF TRASH
DISCOVERED CRACKED PIPE FROM EQUALIZATION TANK TO TRANSITION PLATE & BAG FILTER. TOOK PICTS.

RE-INSPECTION NOTES:

SITE INSPECTION FORM
Granville Solvents Superfund Site
Granville, OH

GENERAL INFORMATION

Note: Read the Inspection Form Instructions and Inspections Procedures on Page 4 of This Form Before Conducting the Inspection

1)	Name of Inspector:	<u>Z. SEIDLE, P. BUCHKOLZ</u>								
2)	Company:	<u>LATA</u>								
3)	Date:	<u>9-14-09</u>								
4)	Time:	<u>1300</u>								
5)	Weather:									
	Temperature:	<u>76°F</u>								
	Sunny	<input checked="" type="checkbox"/>	Cloudy	<input checked="" type="checkbox"/>	Windy	<input type="checkbox"/>	Rainy	<input type="checkbox"/>	Snowy	<input type="checkbox"/>
6)	Ground Conditions:									
	Wet	<input type="checkbox"/>	Dry	<input checked="" type="checkbox"/>	Snow	<input type="checkbox"/>				
7)	Is this a scheduled inspection?				Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>		
If no, explain: <hr/>										

PERIMETER FENCE INSPECTION

8)	Any signs of unauthorized entry?	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>
9)	Are any fence posts damaged?	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>
10)	Does fence appear to be in good condition?	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
11)	Are any signs missing?	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>
12)	Are the signs readable?	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
13)	Upon arrival, were the gates locked?	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
14)	Are any of the locks broken?	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>

Comments:

GROUND INSPECTION

15) Is there any settling, subsidence, or erosion evident?

Yes No

If YES, note area number and explain:

16) Are there any signs of stressed vegetation or no vegetation?

Yes No

If YES, note area and explain:

17) Are there any surface disturbances from vehicles or other physical actions?

Yes No

If YES, note area and explain:

18) Are there any gullies, washouts or other disturbances caused by water erosion?

Yes No

If YES, note area and explain:

19) Are there any signs of insects or pests?

If YES, note area and explain:

WASPS INSIDE MW-PI, SPIDERS, TICKS, GLOSSINIDS.

20) Are the monitoring wells locked and in good condition?

Yes No

If NO, note well location and explain:

RIVER BENCHMARK INSPECTION

21) Is the surveyed benchmark:

visible?

Yes No

accessible? *ON FOOT ONLY*

Yes No

clearly labeled?

Yes No

undisturbed?

Yes No

If NO, note area and explain:

NEED TO PLACE ELEVATION LABEL ON BENCH MARK.

ACTION ITEMS

GRASS NEEDS TO BE CUT, VEGETATION REMOVED FROM FENCE

E FENCE N. OF MW-S NEEDS REPAINTED.

SVE TANKS STILL FAIRLY CLEAN

SKUBO PVC PIPE FOR TANKING TANK STILL NEEDS TO BE REPL, X-TOL PLOW & BIG PLATE
METAL READINGS - 3804 KW

7.780 KW

RE-INSPECTION NOTES: